

FIG. 1

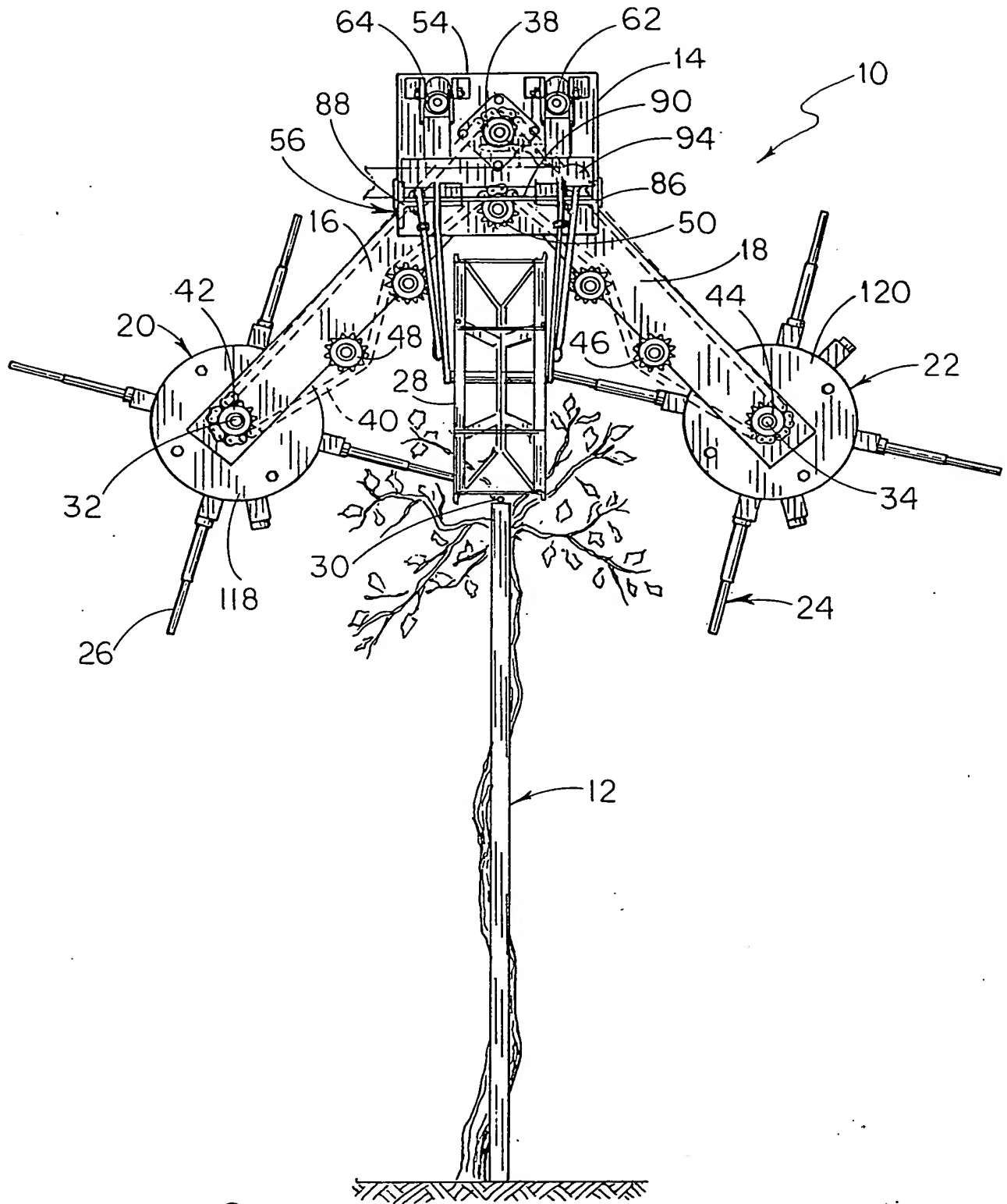


FIG. 2

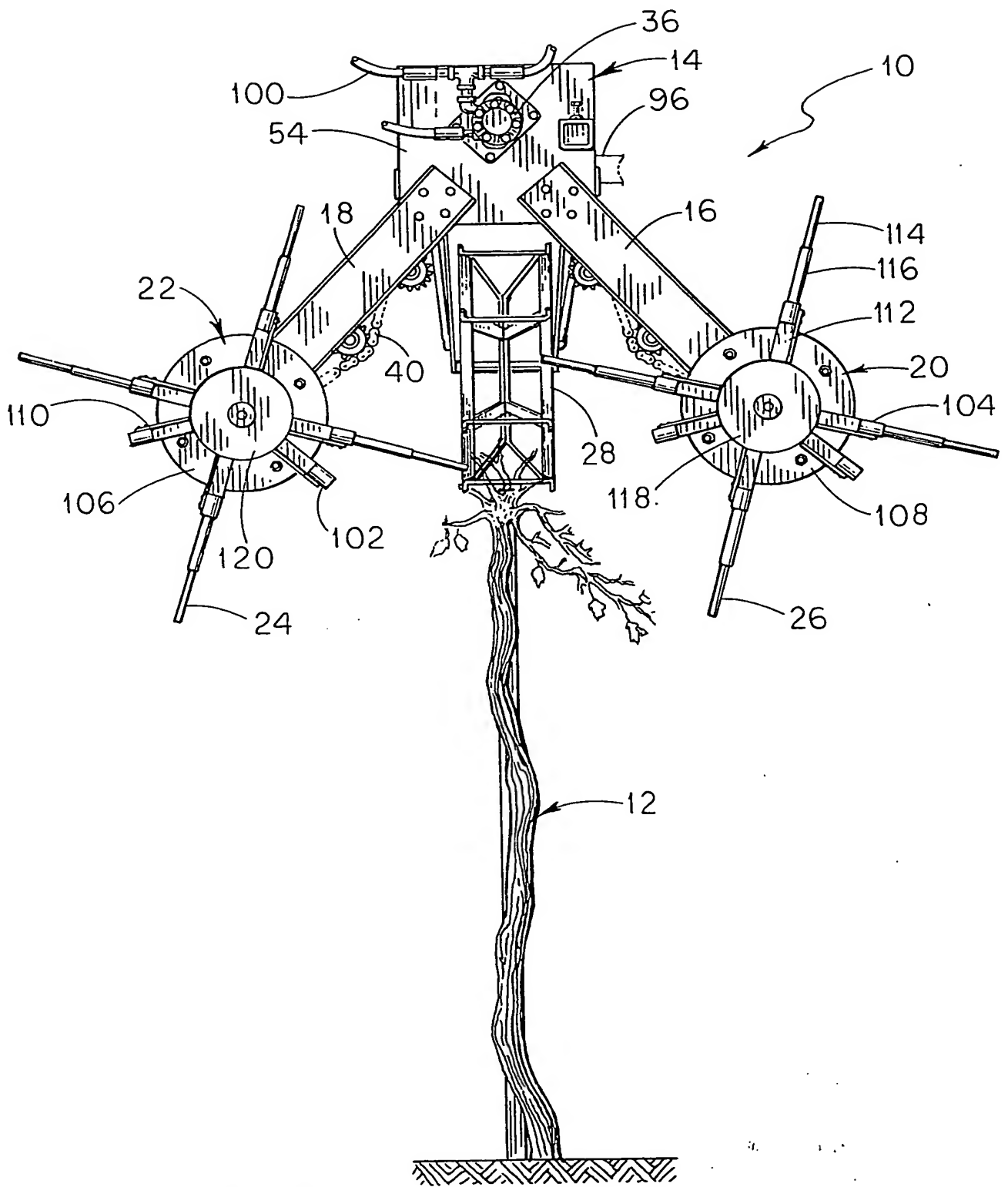


FIG. 3

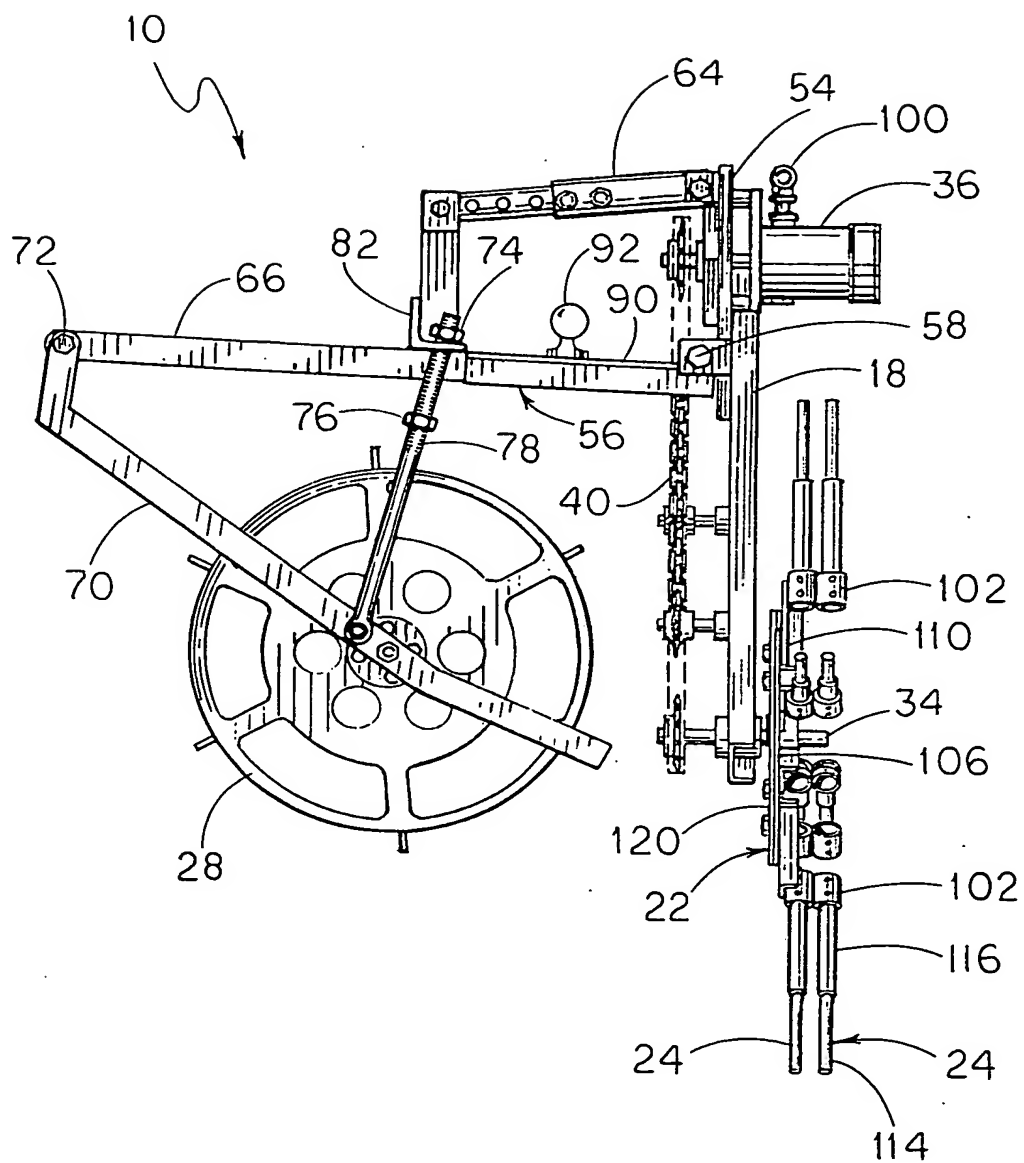
[illegible]

FIG. 4

200750" 11641001

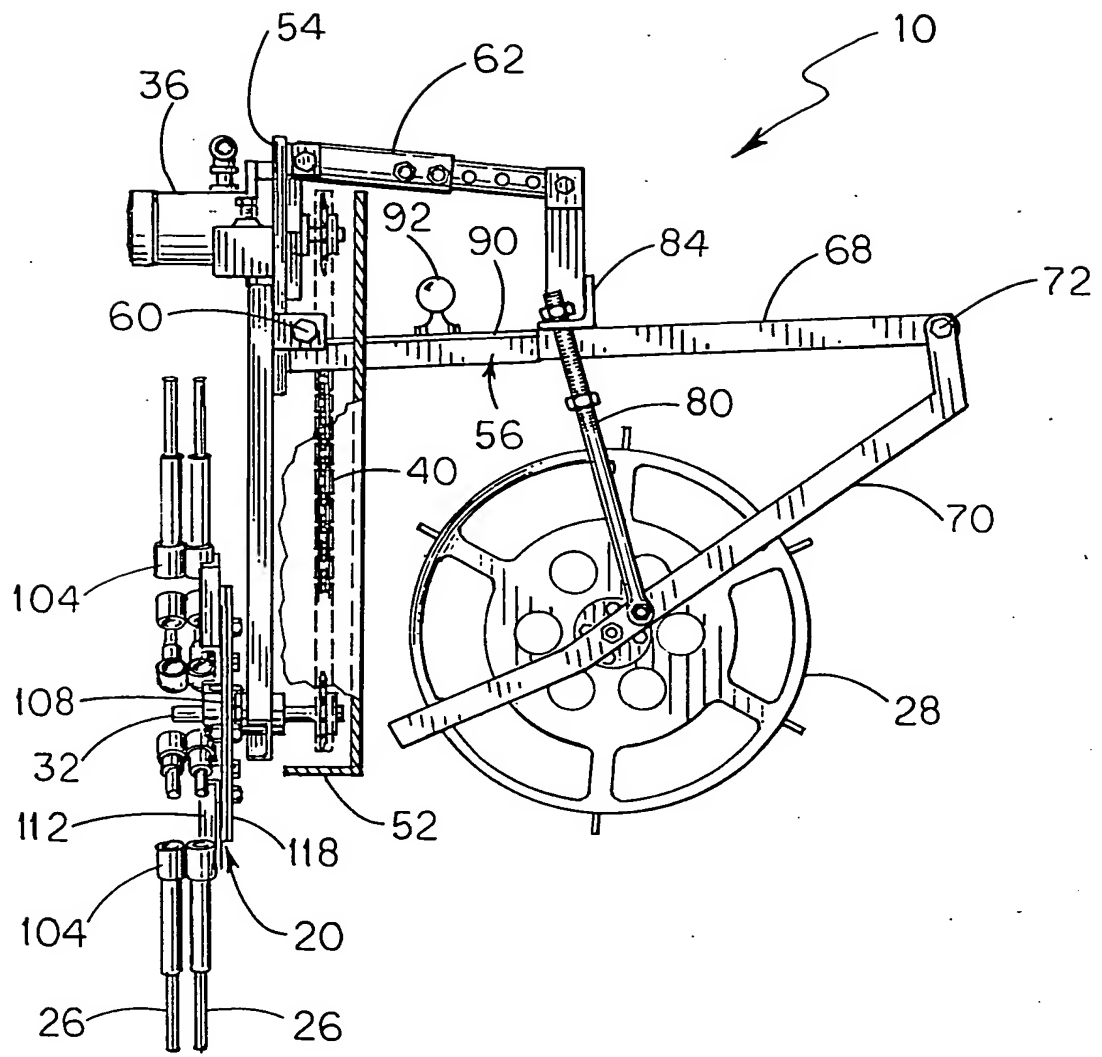


FIG. 5

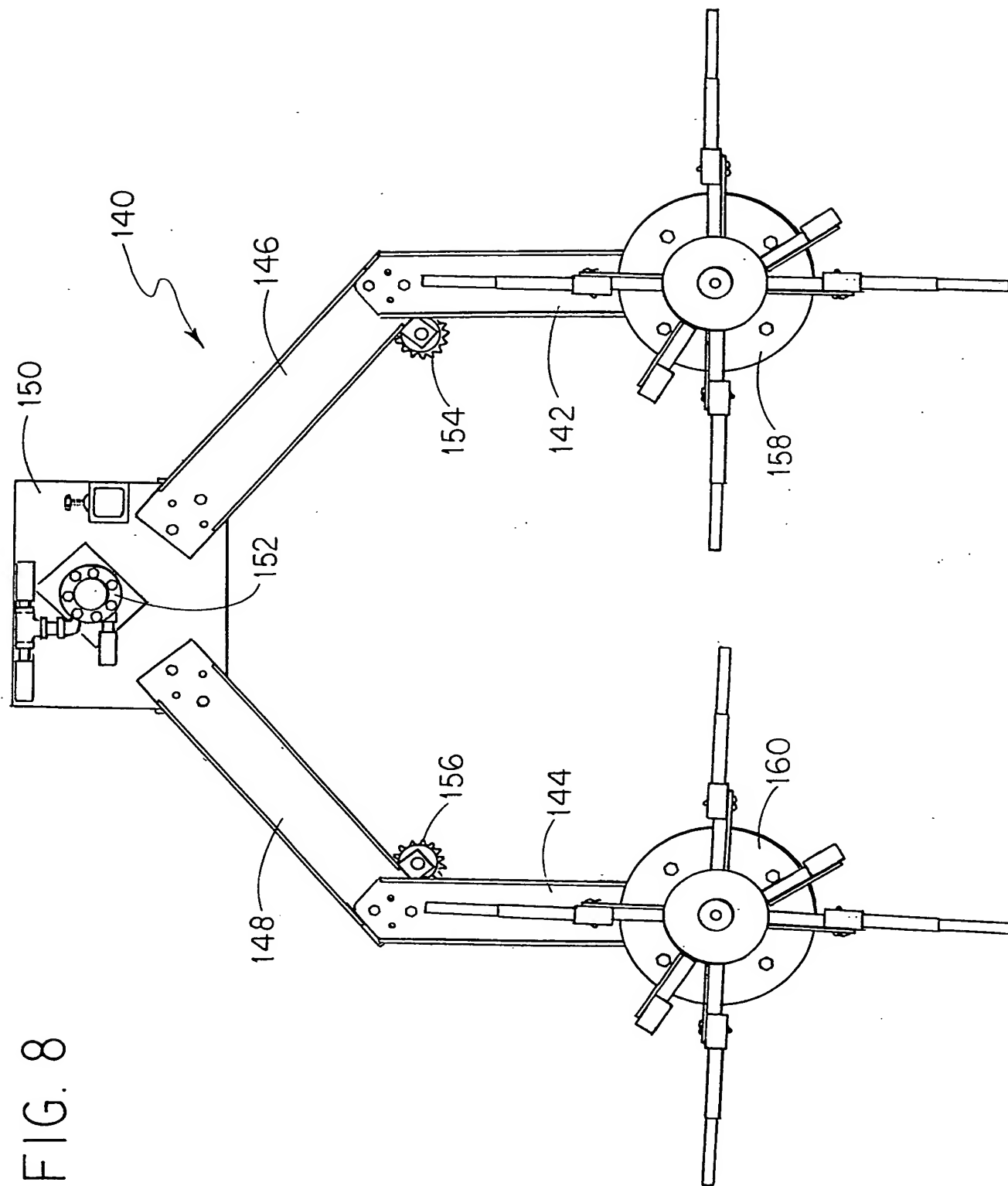


651



FIG. 7

FIG. 8



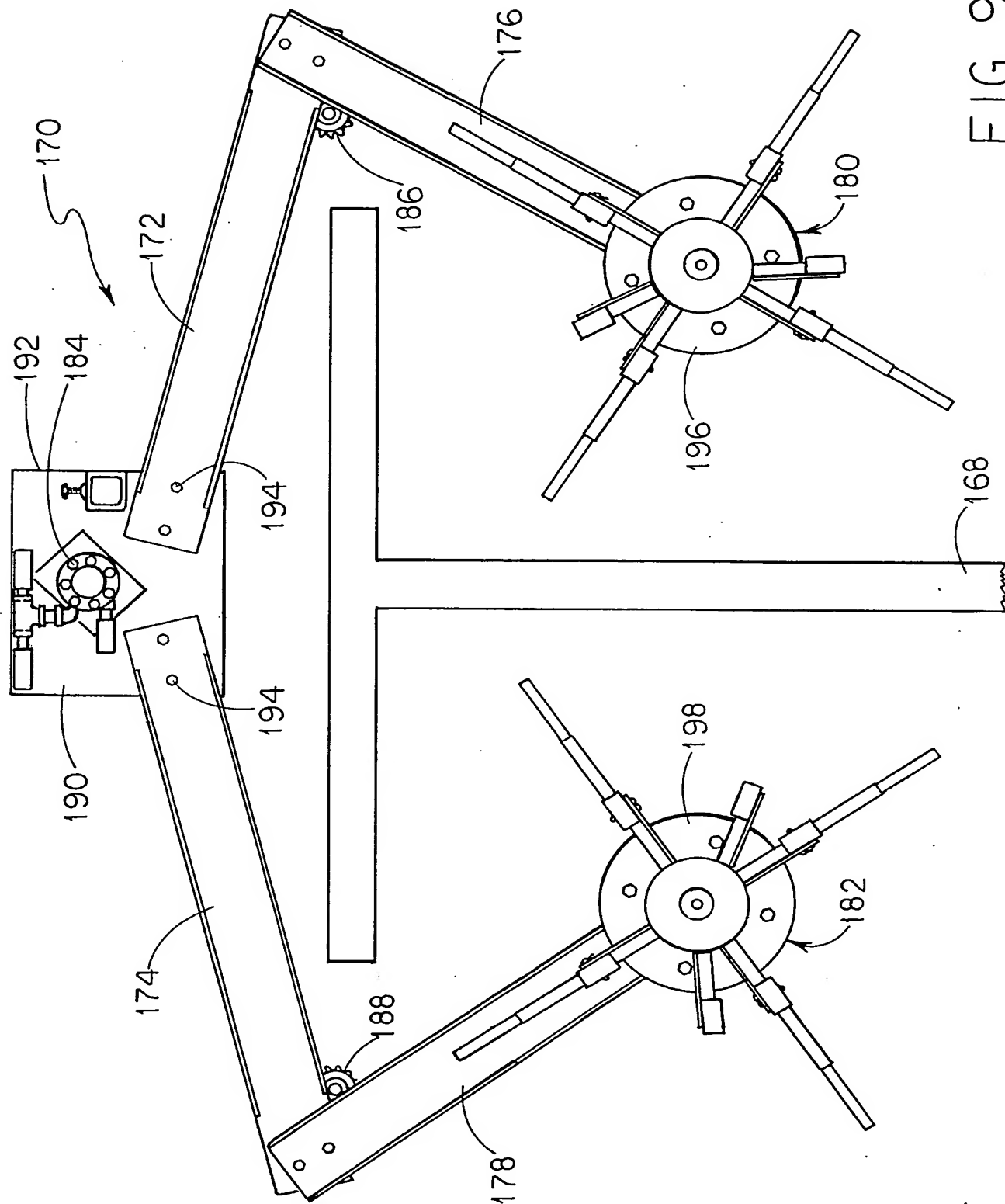


FIG. 9

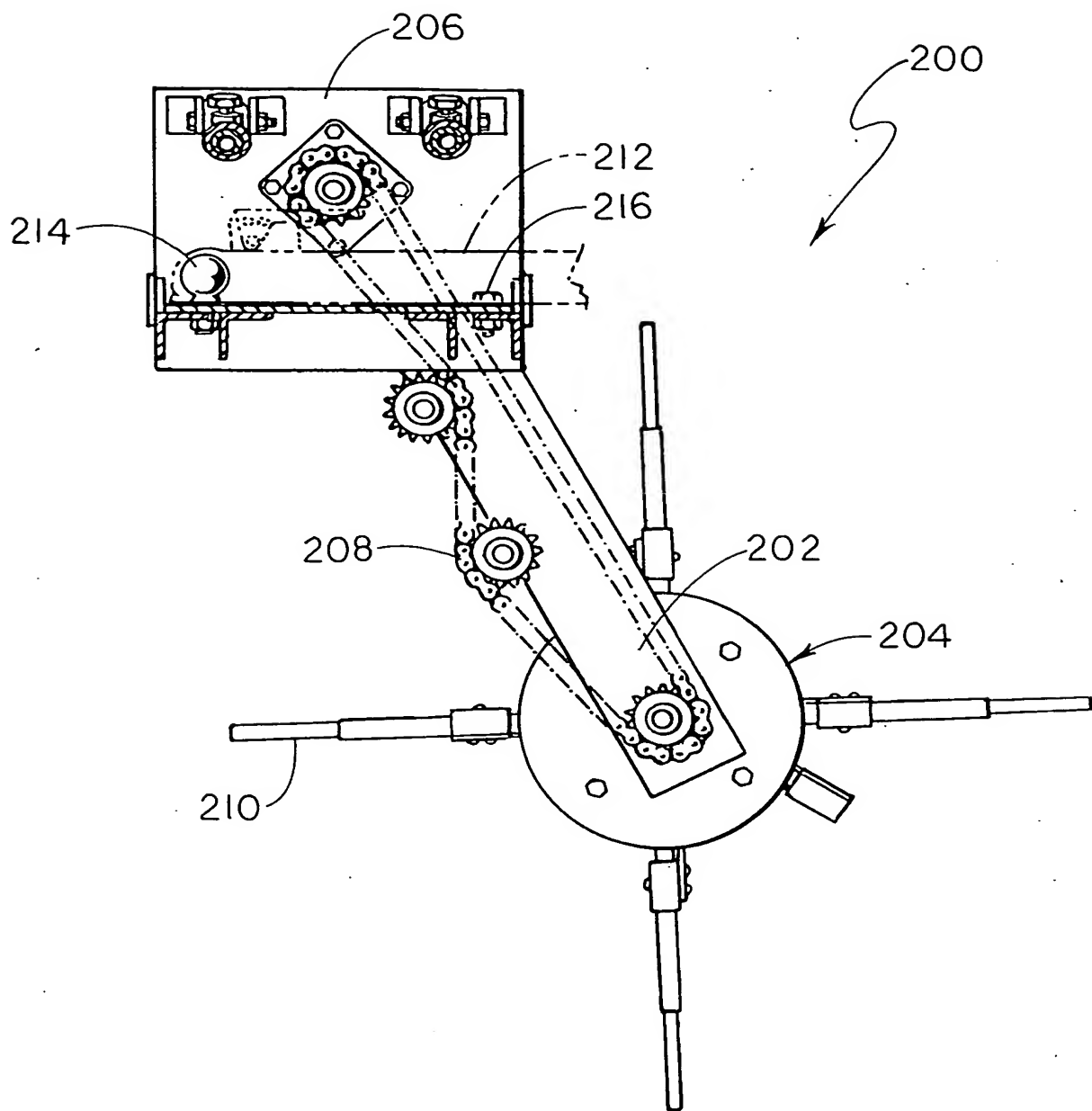


FIG. 10

200



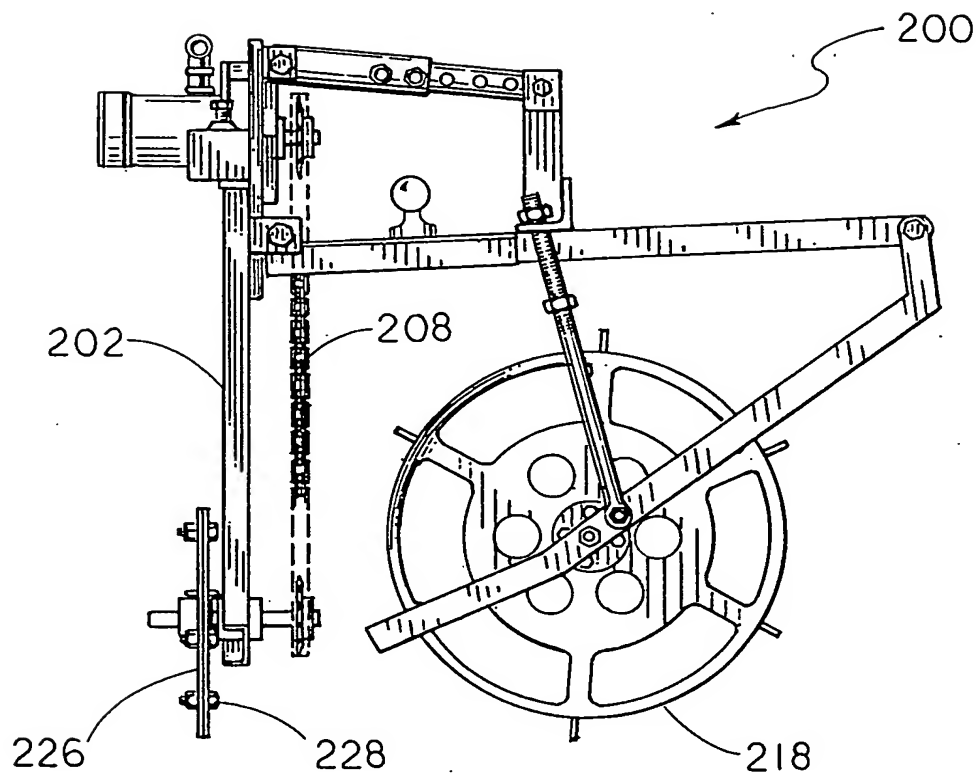


FIG. 12

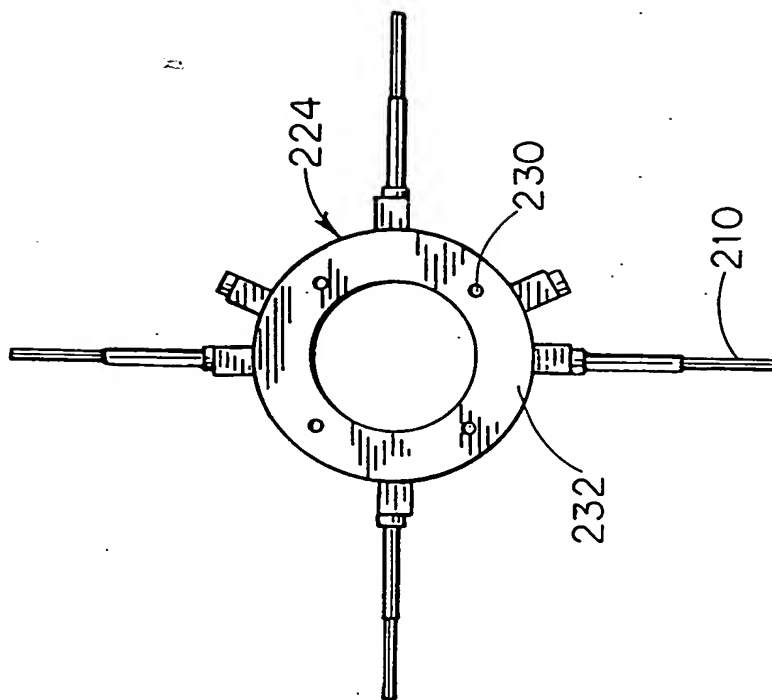


FIG. 14

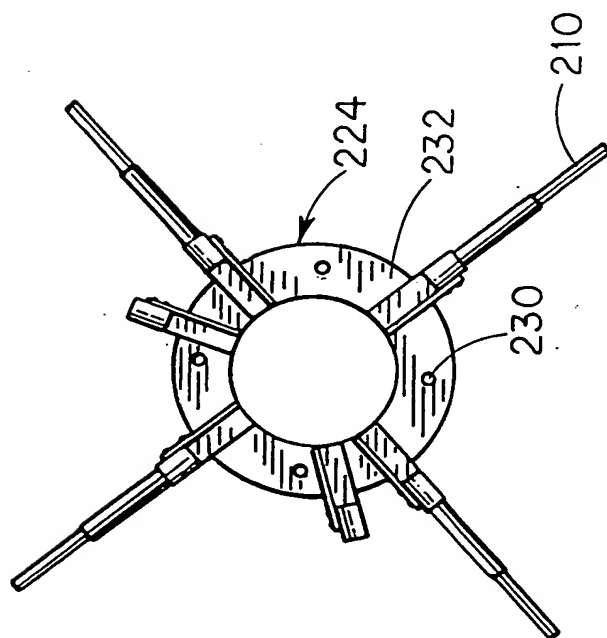


FIG. 13

FIG. 15

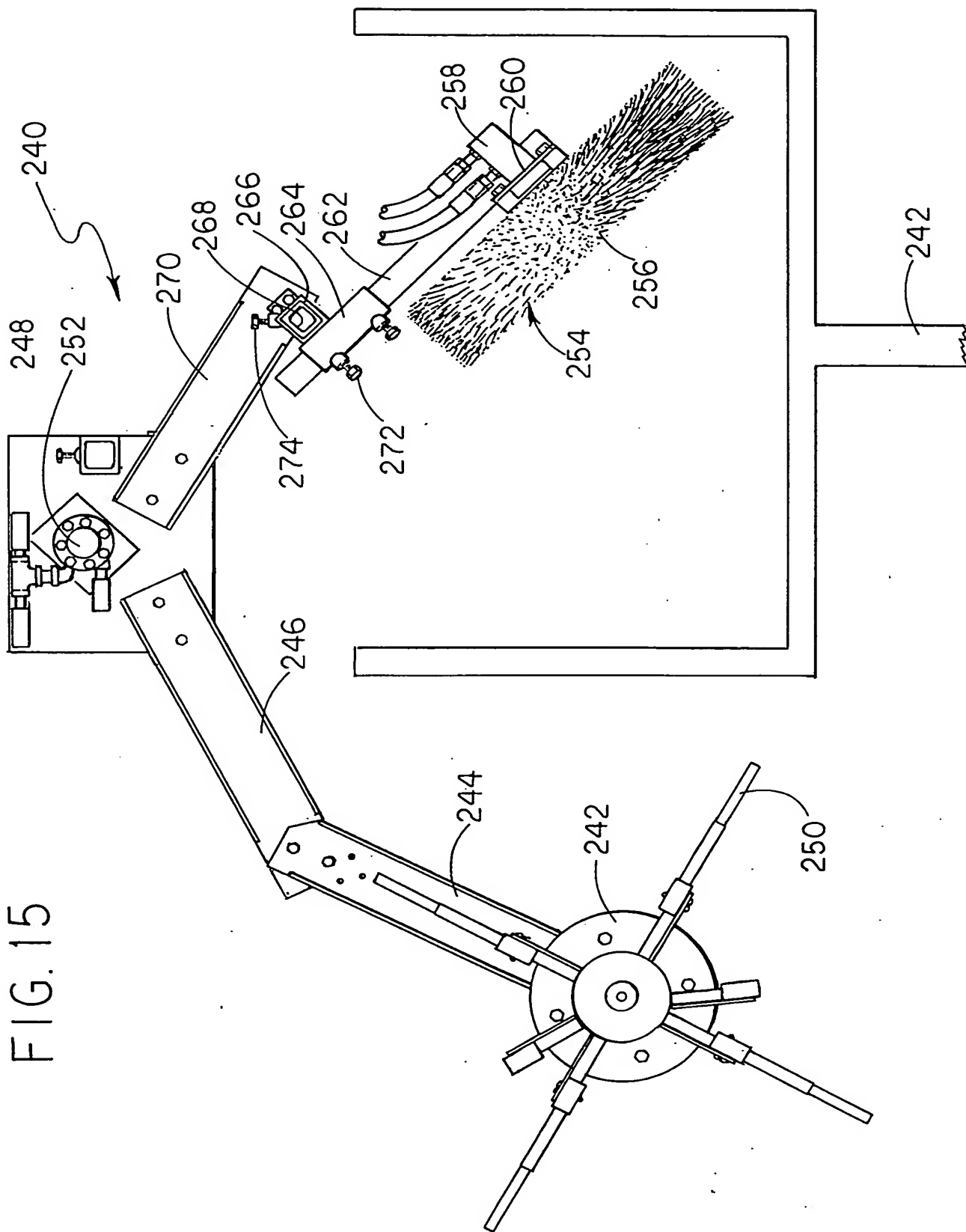
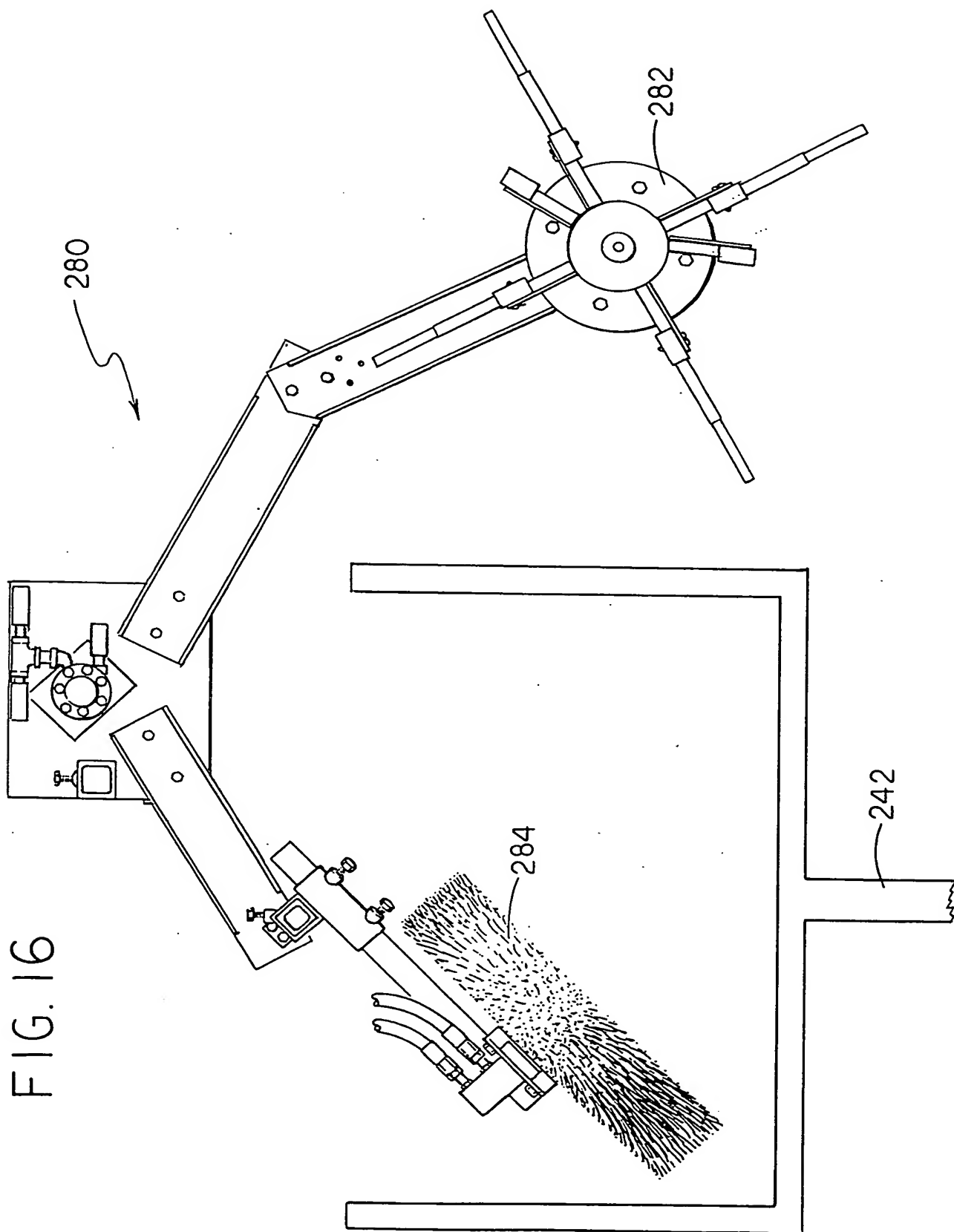


FIG. 16



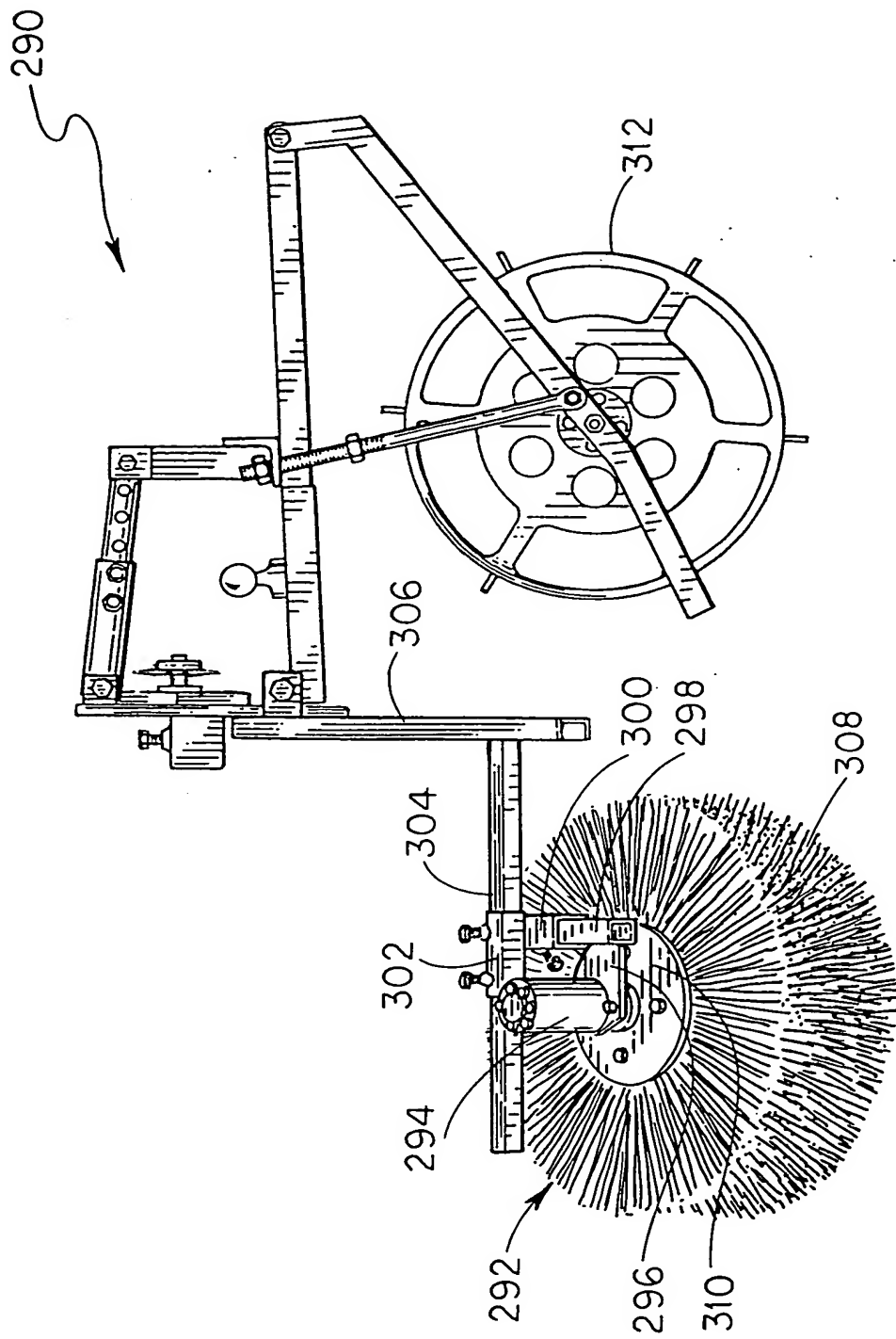


FIG. 17

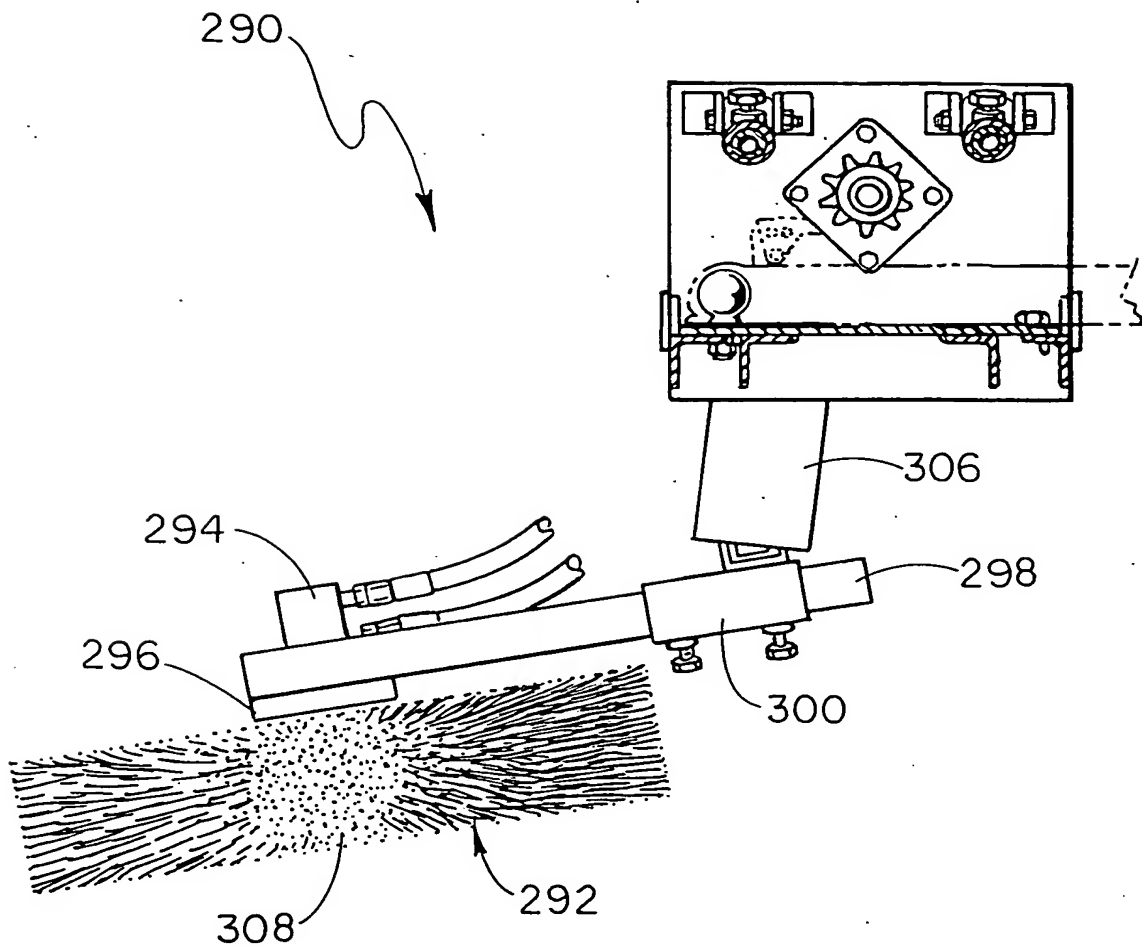


FIG. 18

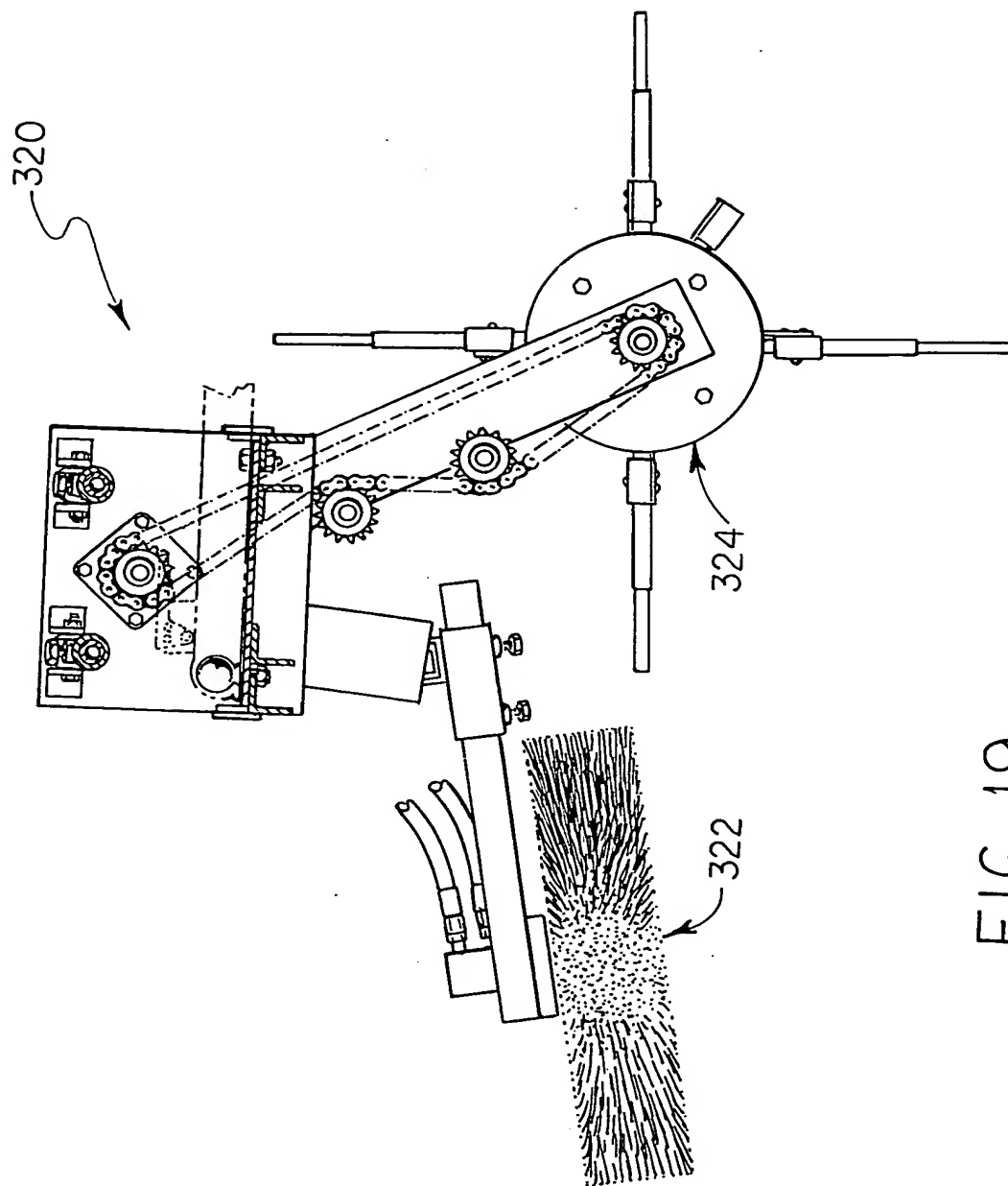


FIG. 19

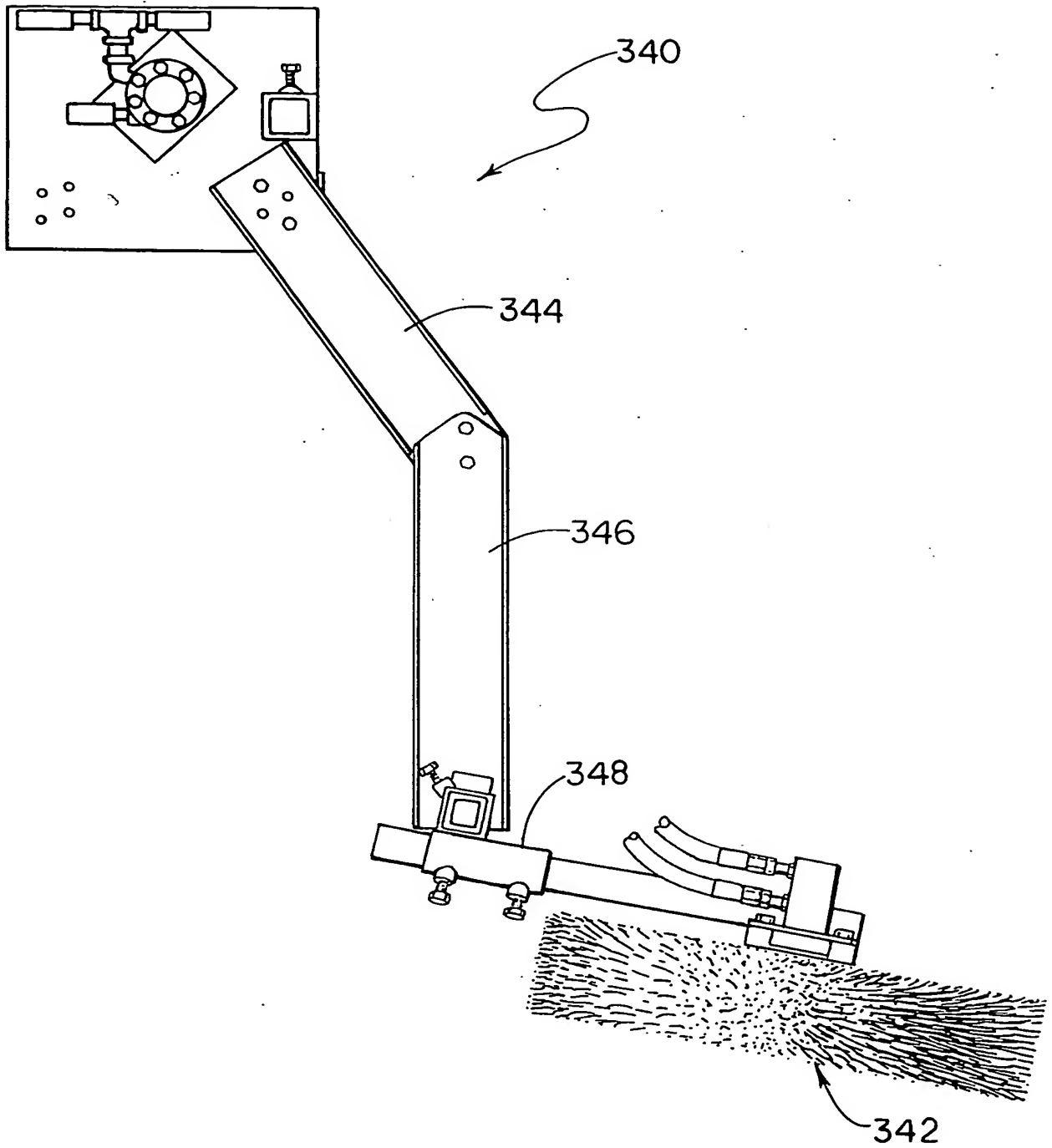


FIG. 20

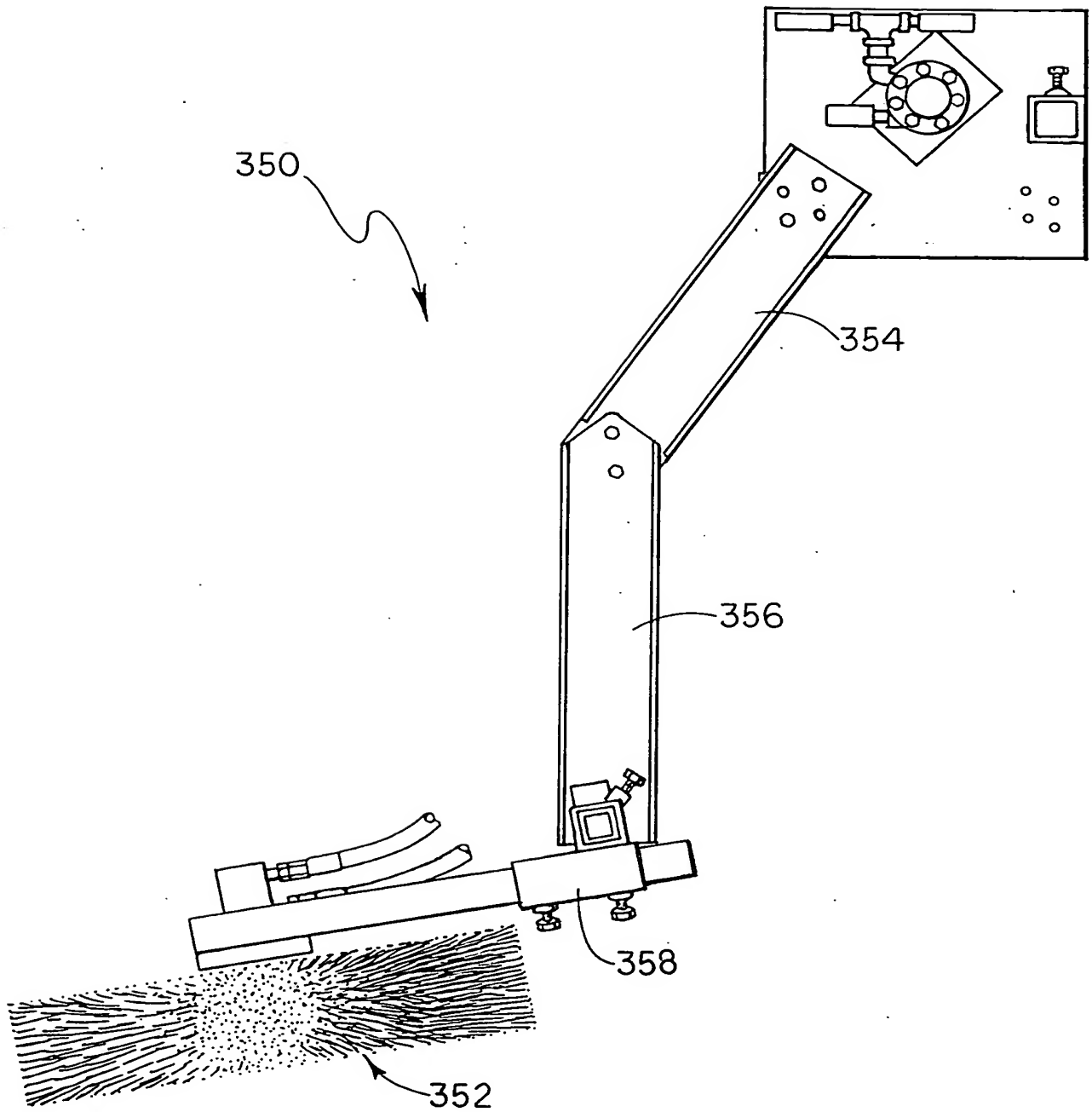


FIG. 21

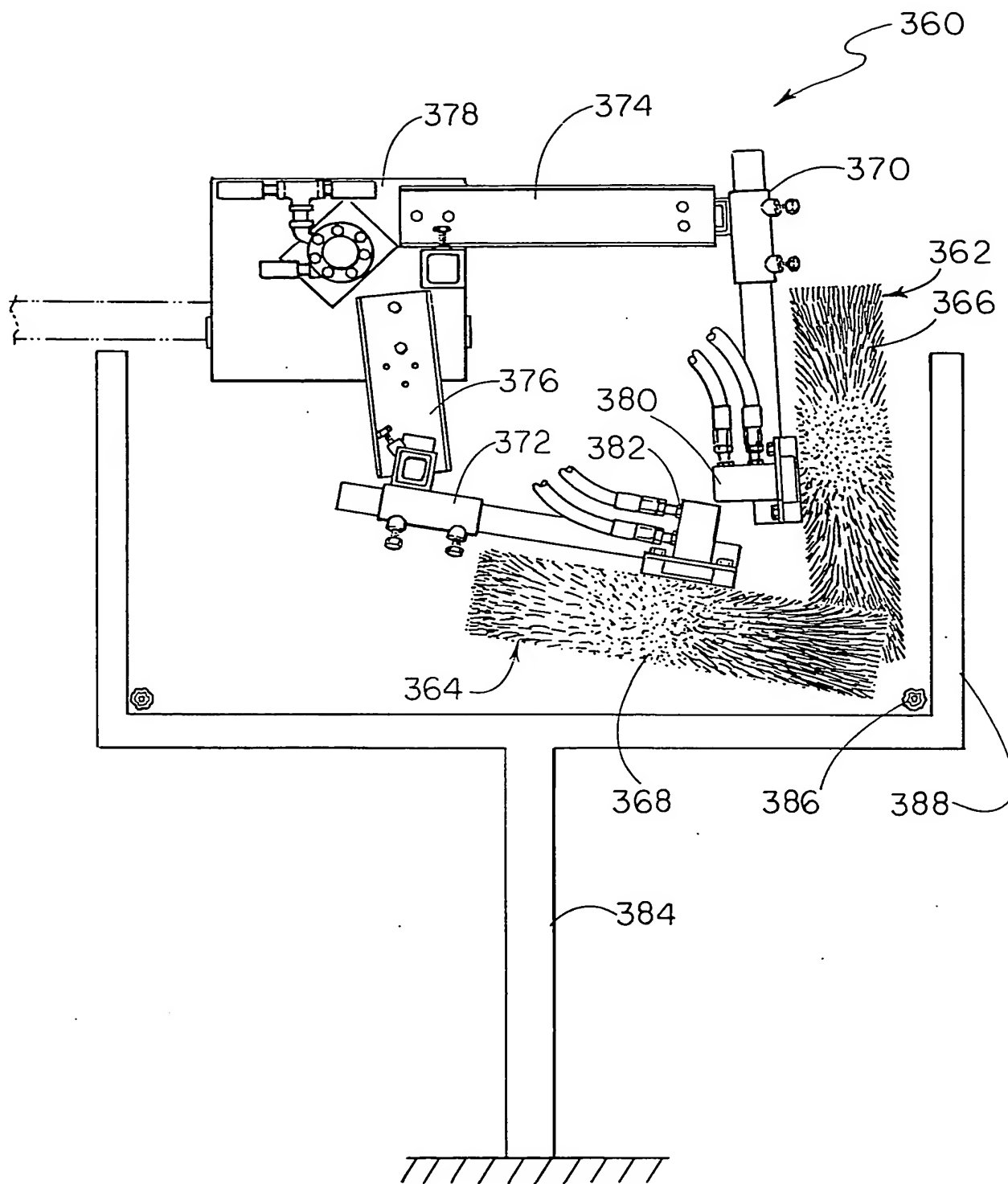


FIG. 22

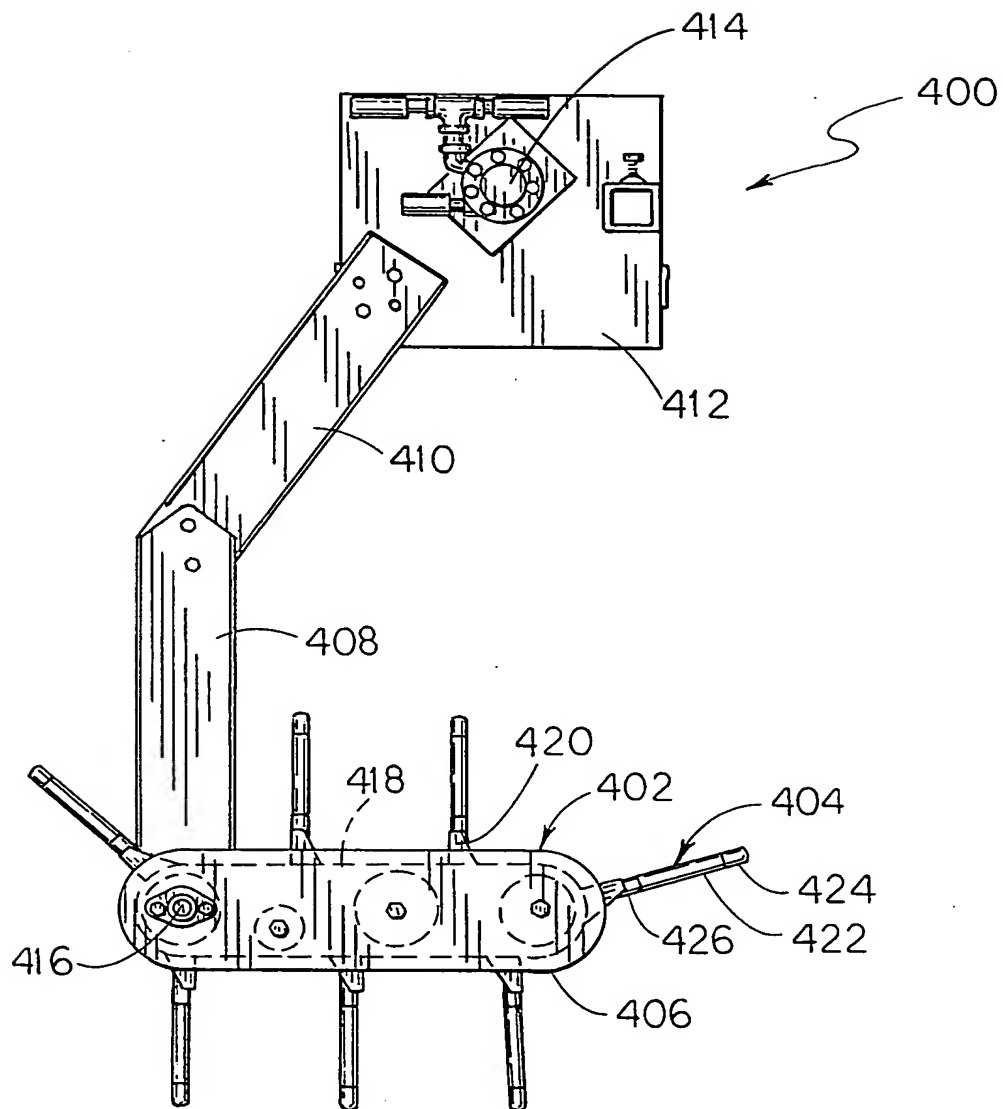


FIG. 23

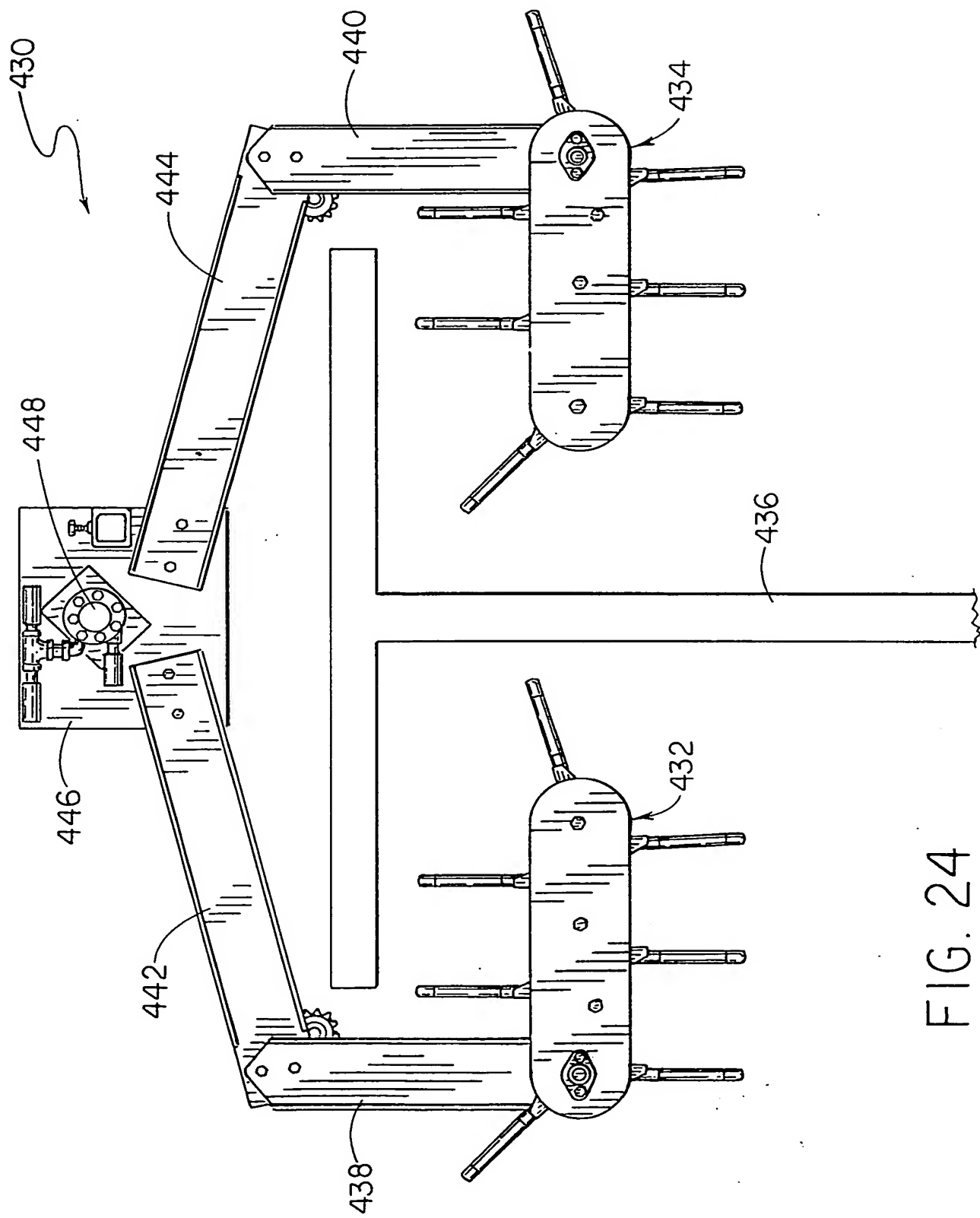


FIG. 24

FIG. 25

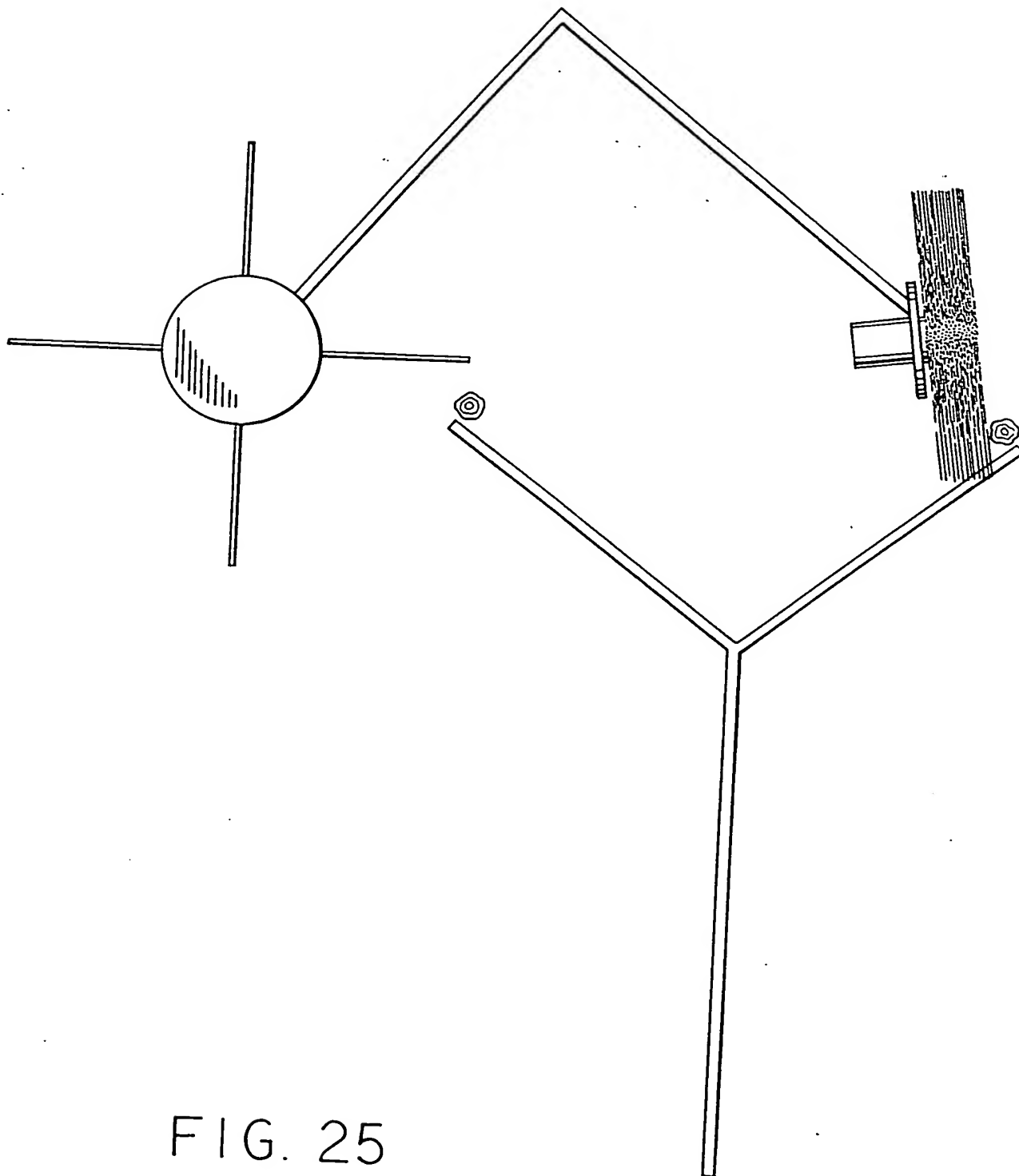


FIG. 25

2025-10-10

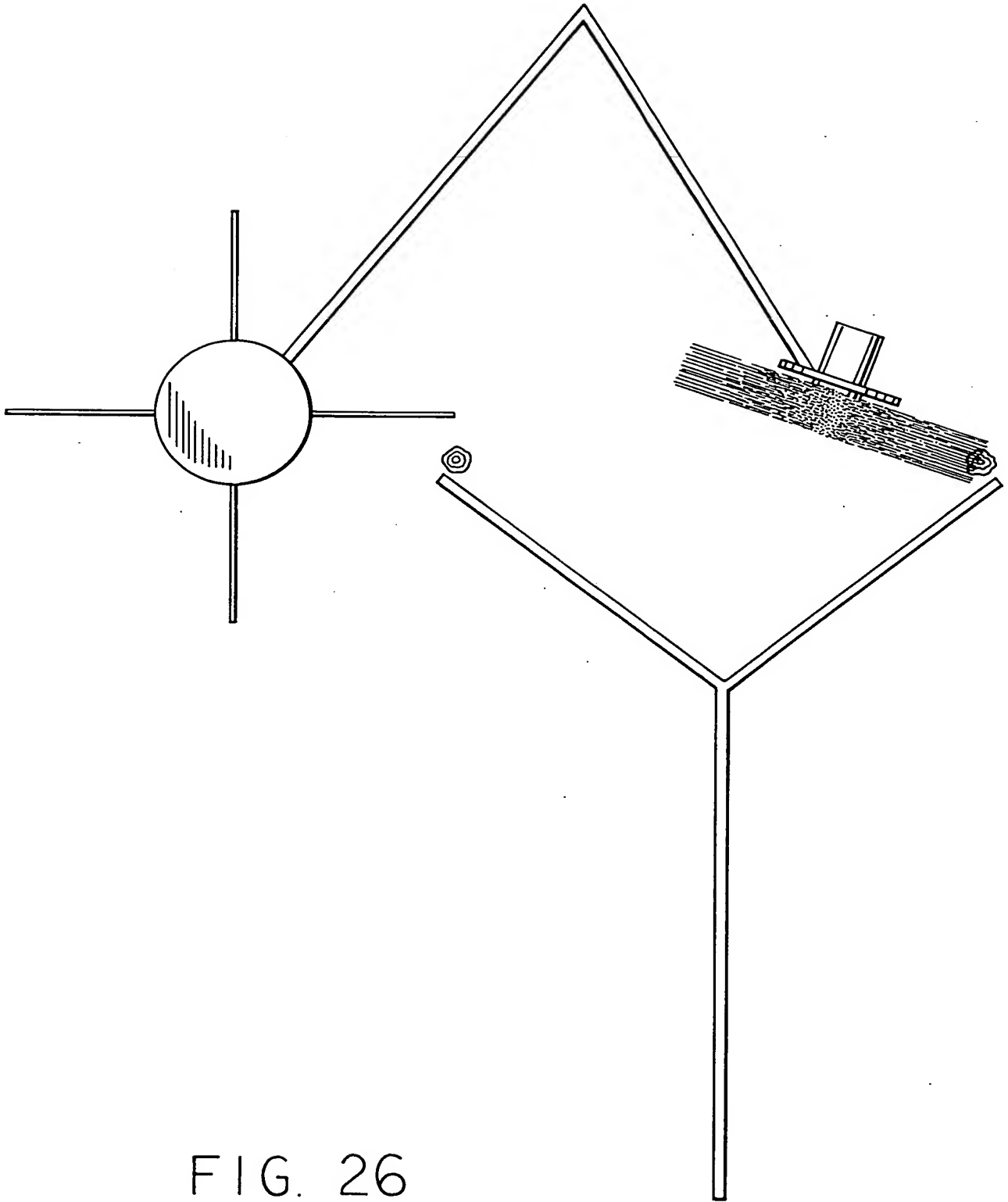


FIG. 26

2025-04-11 14:00:00

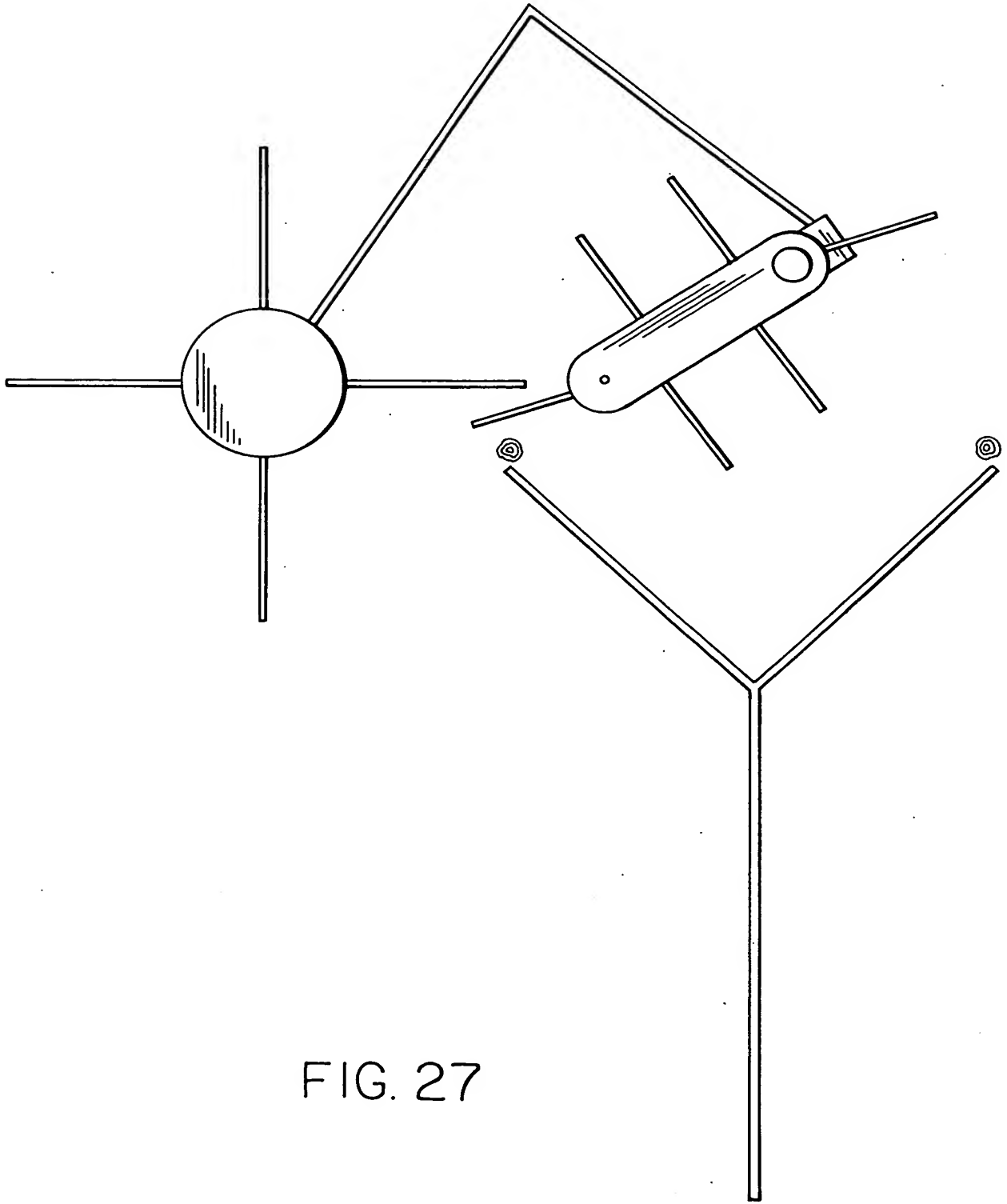


FIG. 27

10044-0000

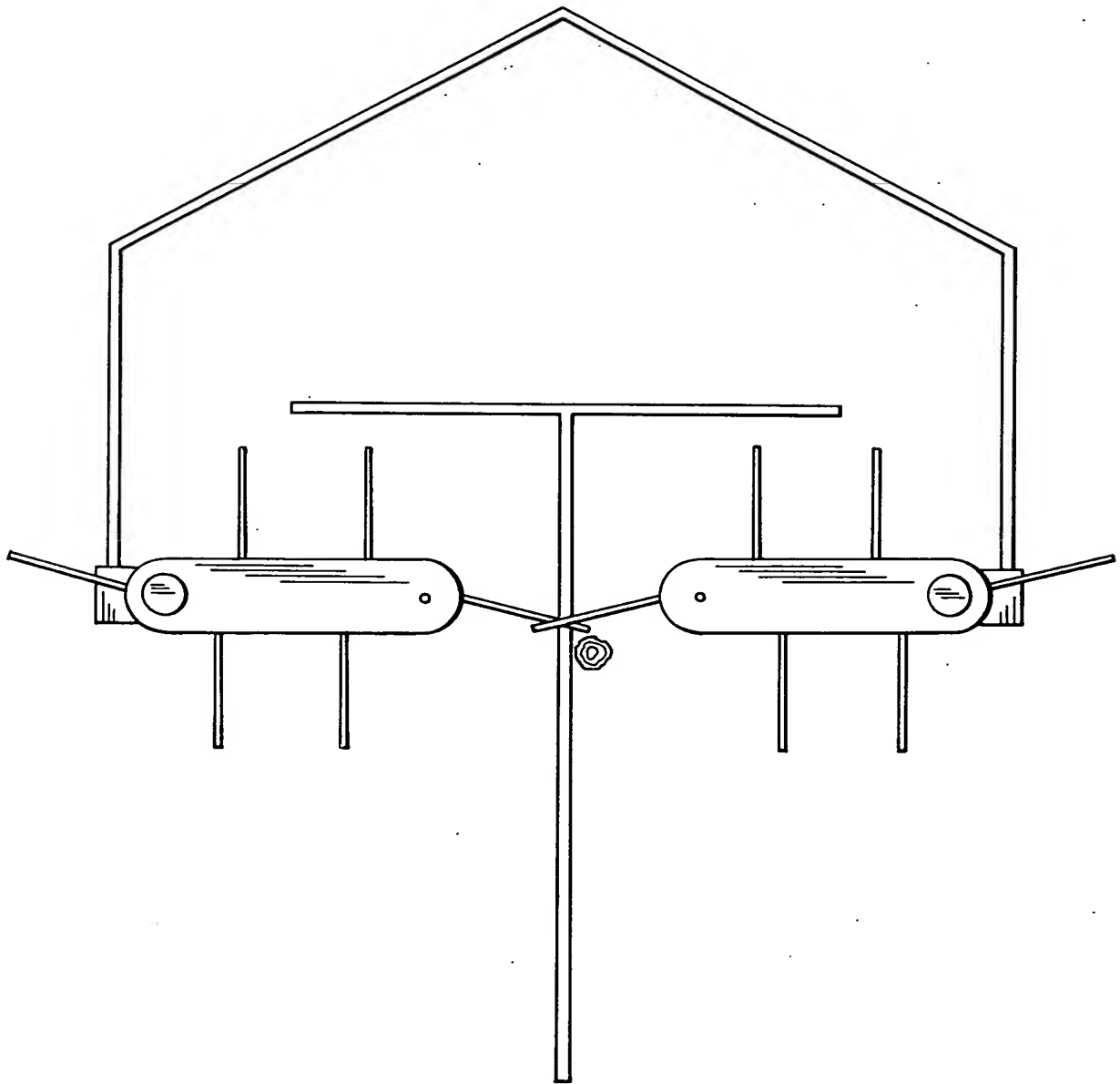


FIG. 28

FIG. 29

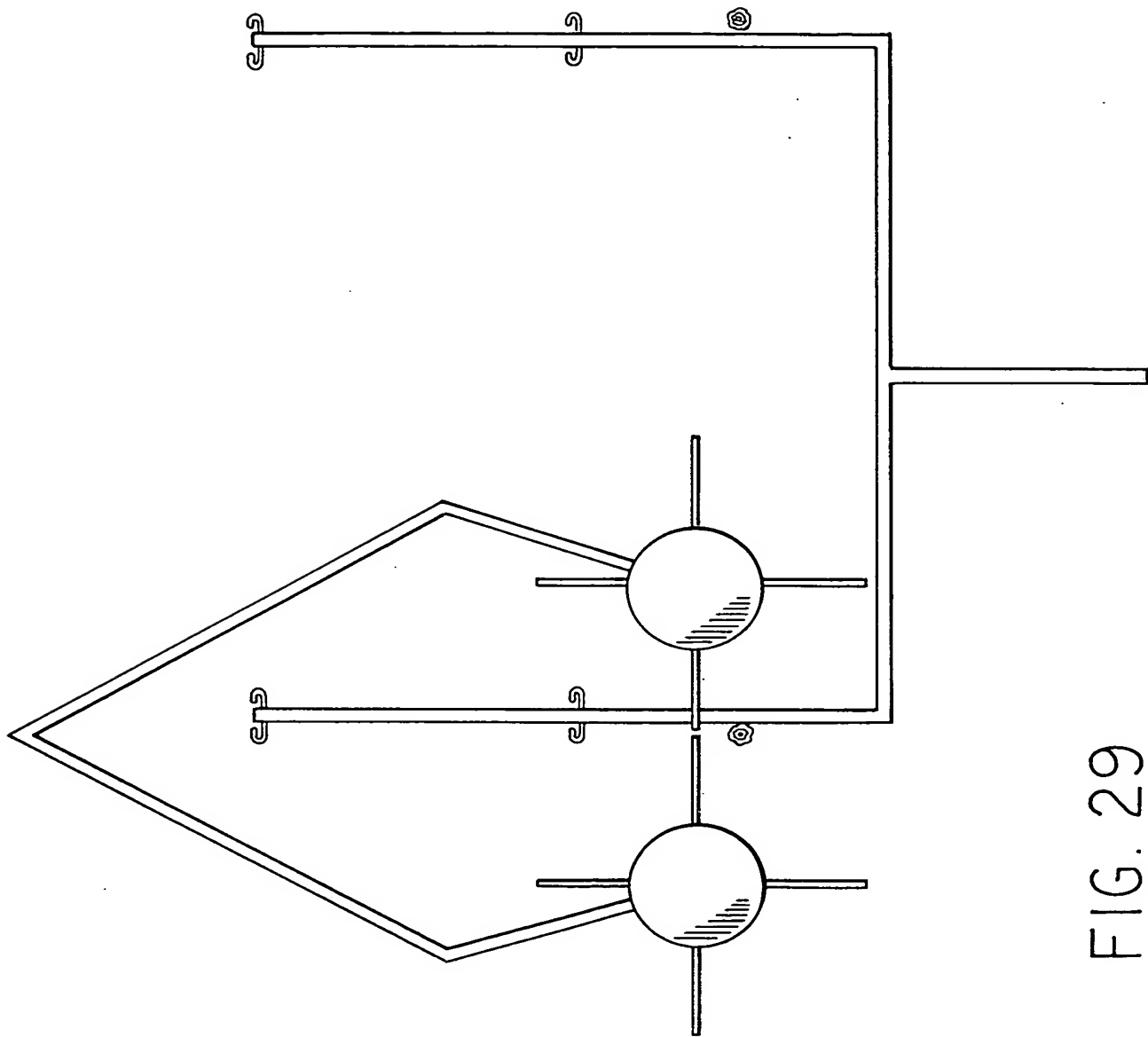


FIG. 29

FIG. 30

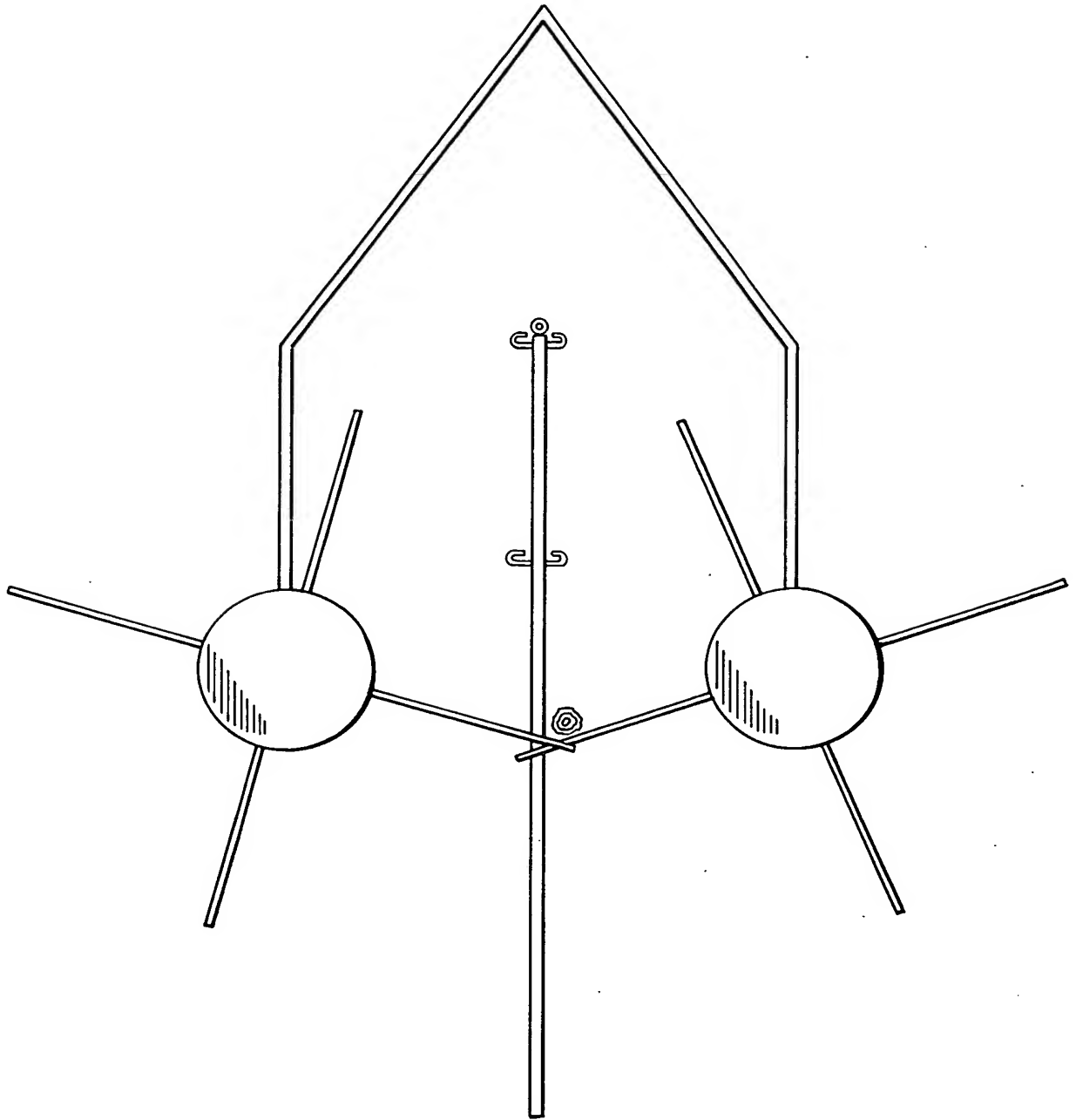


FIG. 30

4044494

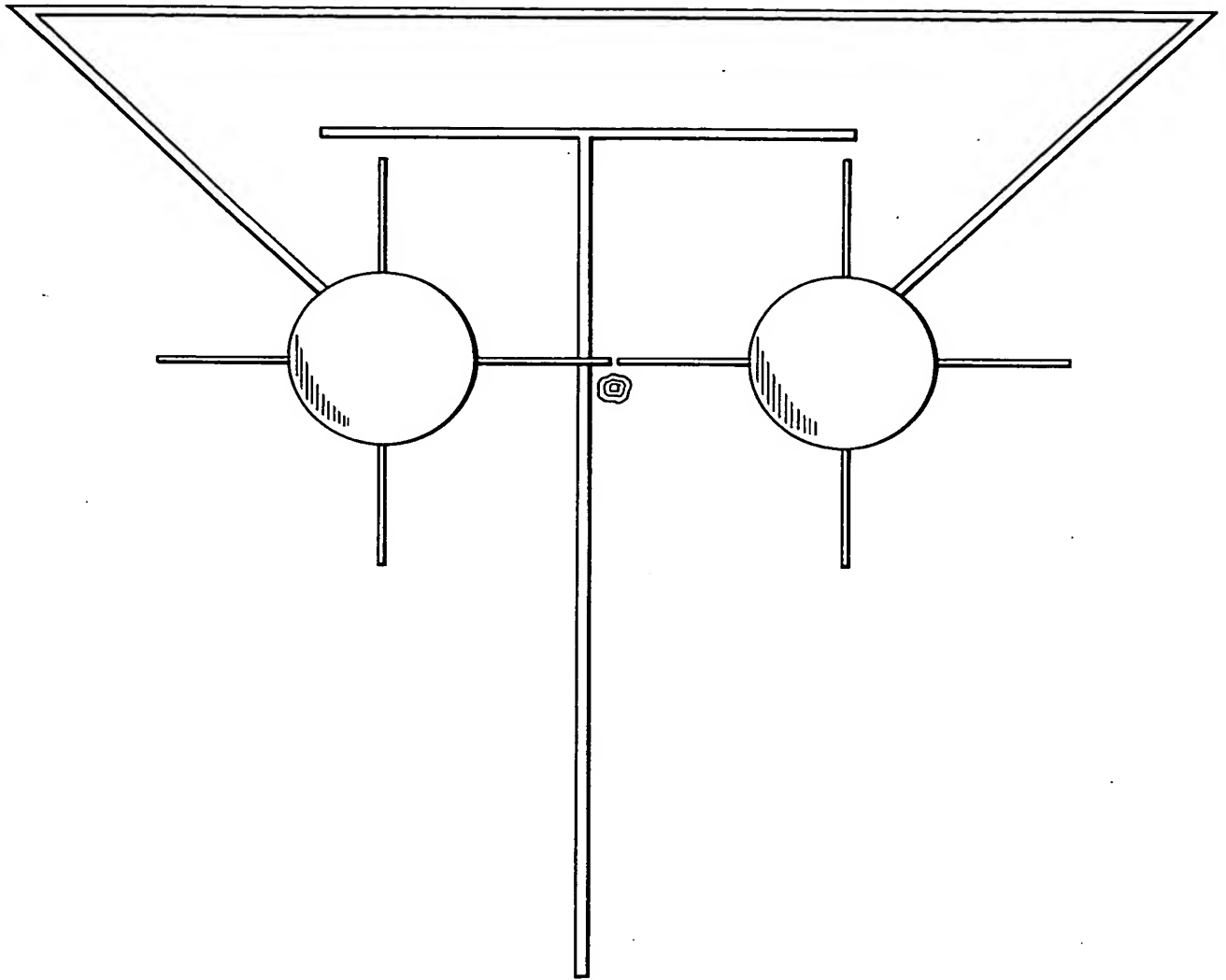


FIG. 31

400444-06120

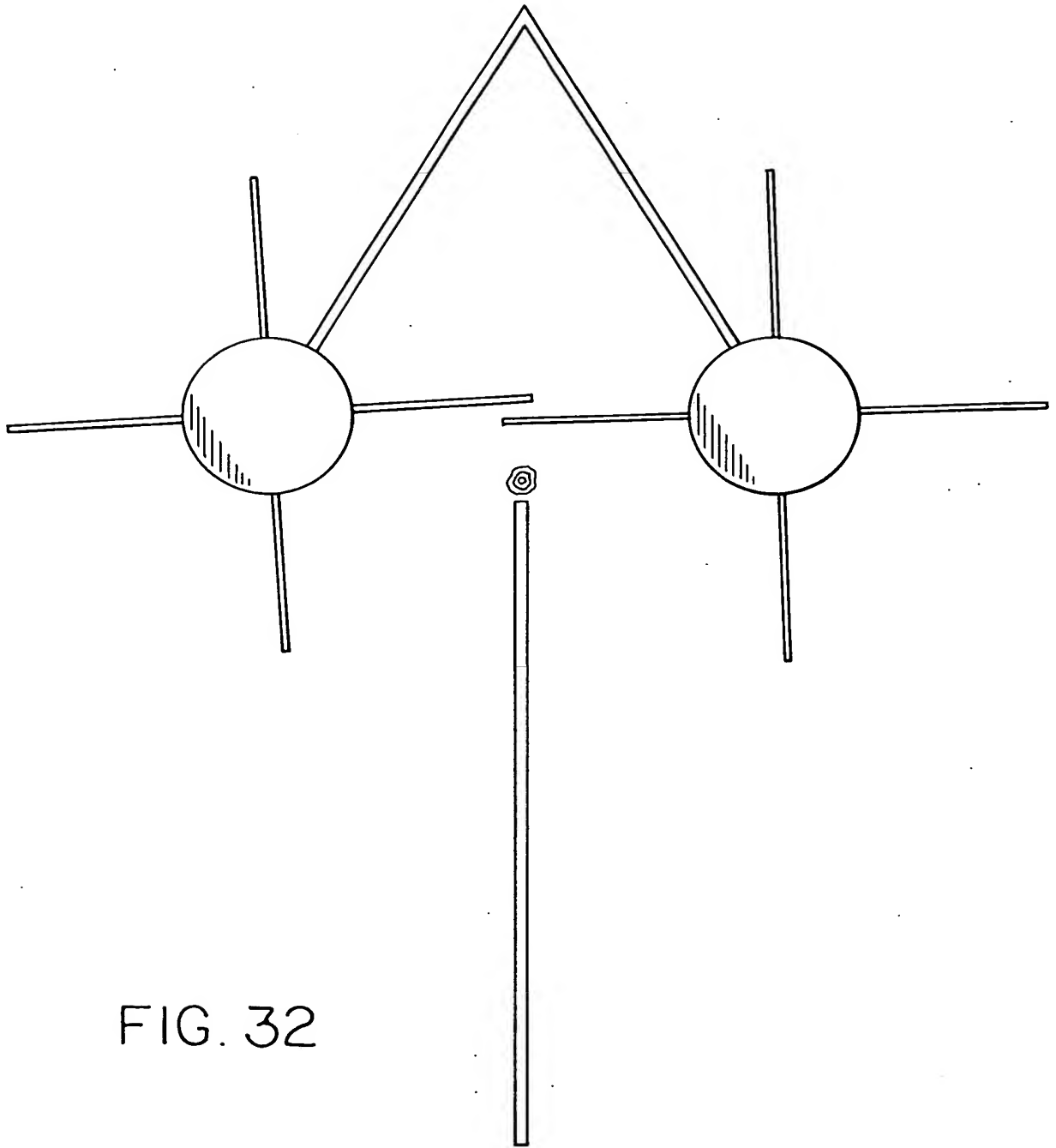


FIG. 32

202150" 11641001

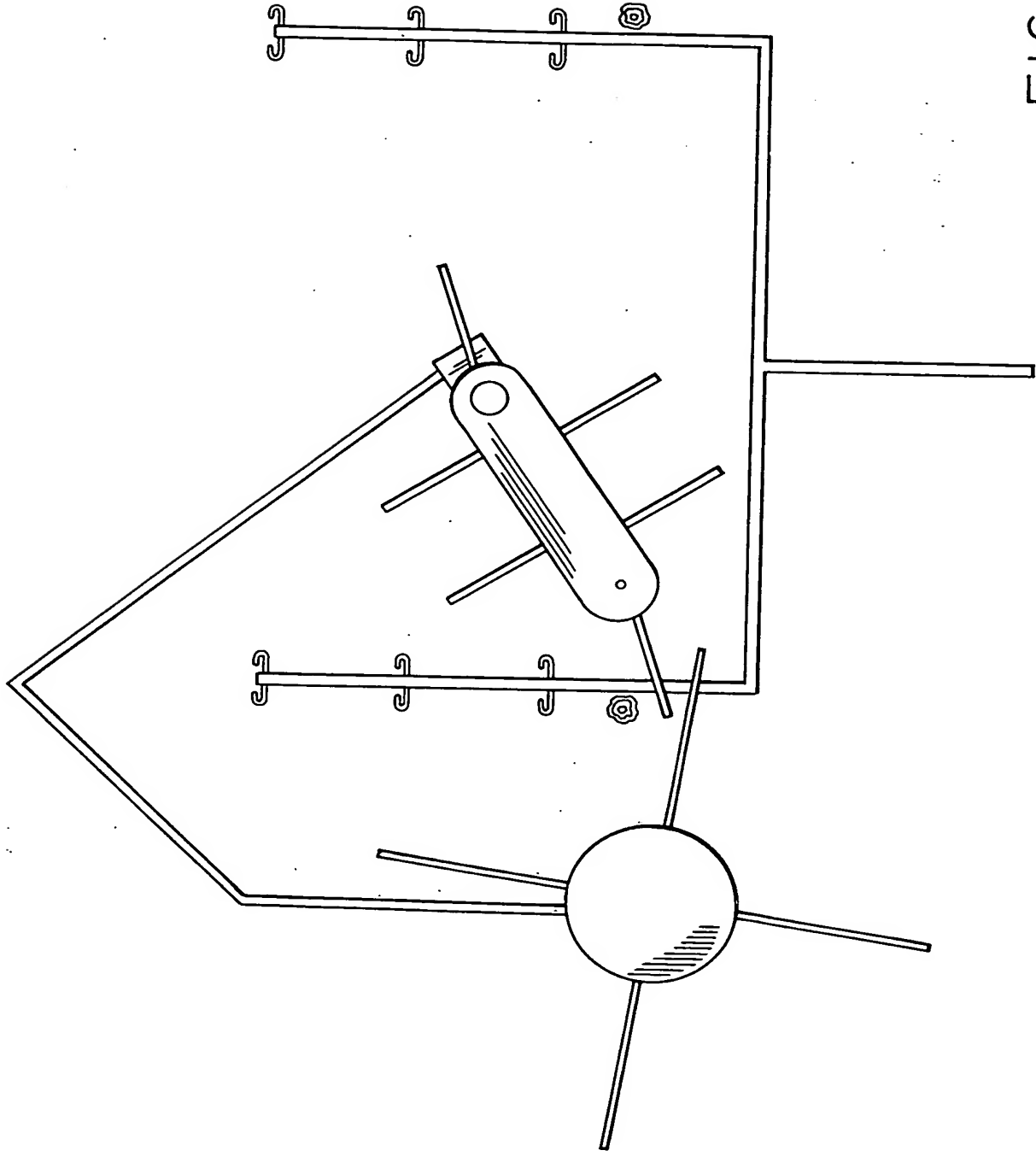


FIG. 33

FIG. 34

2025-10-10

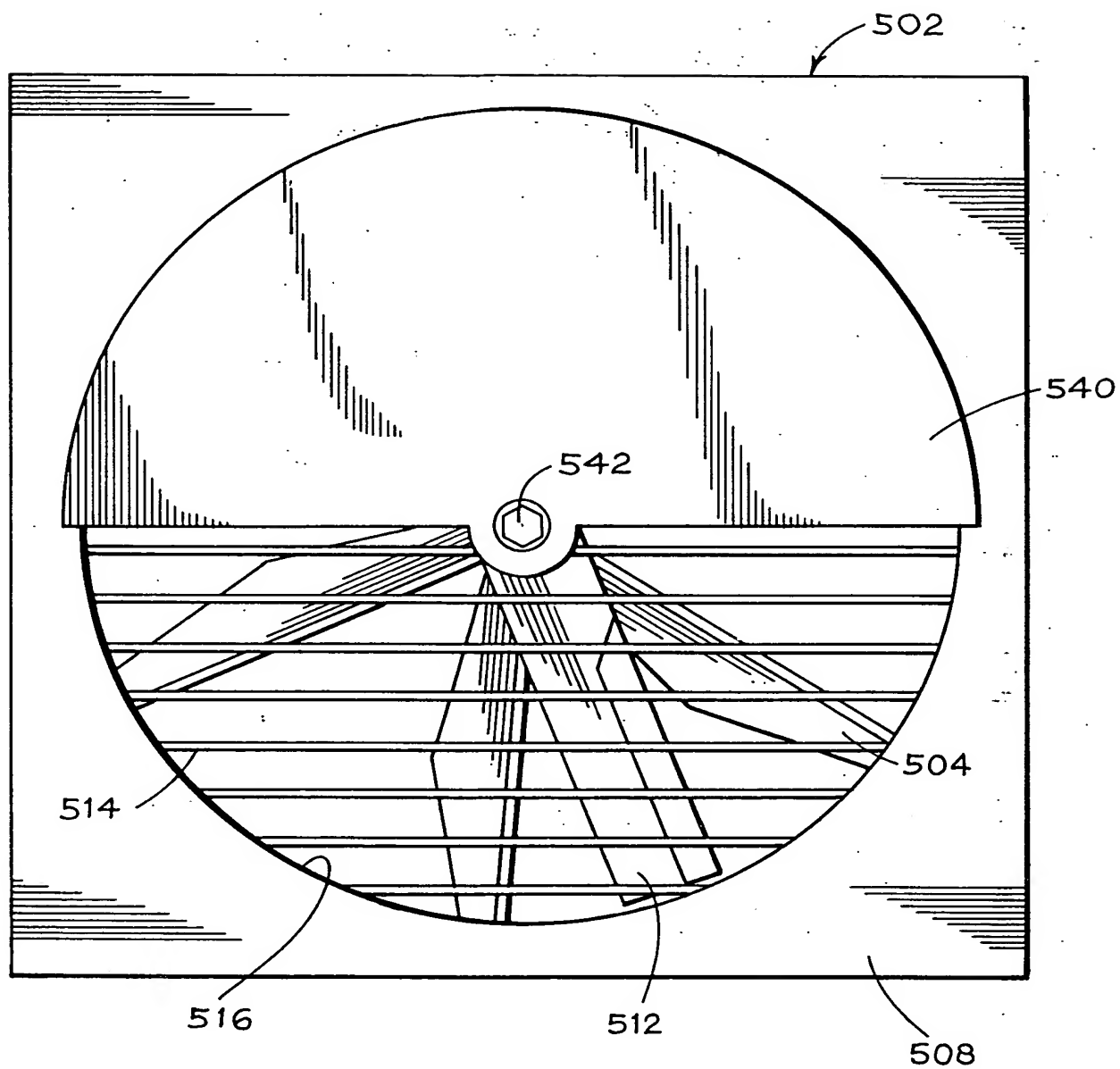


FIG. 35

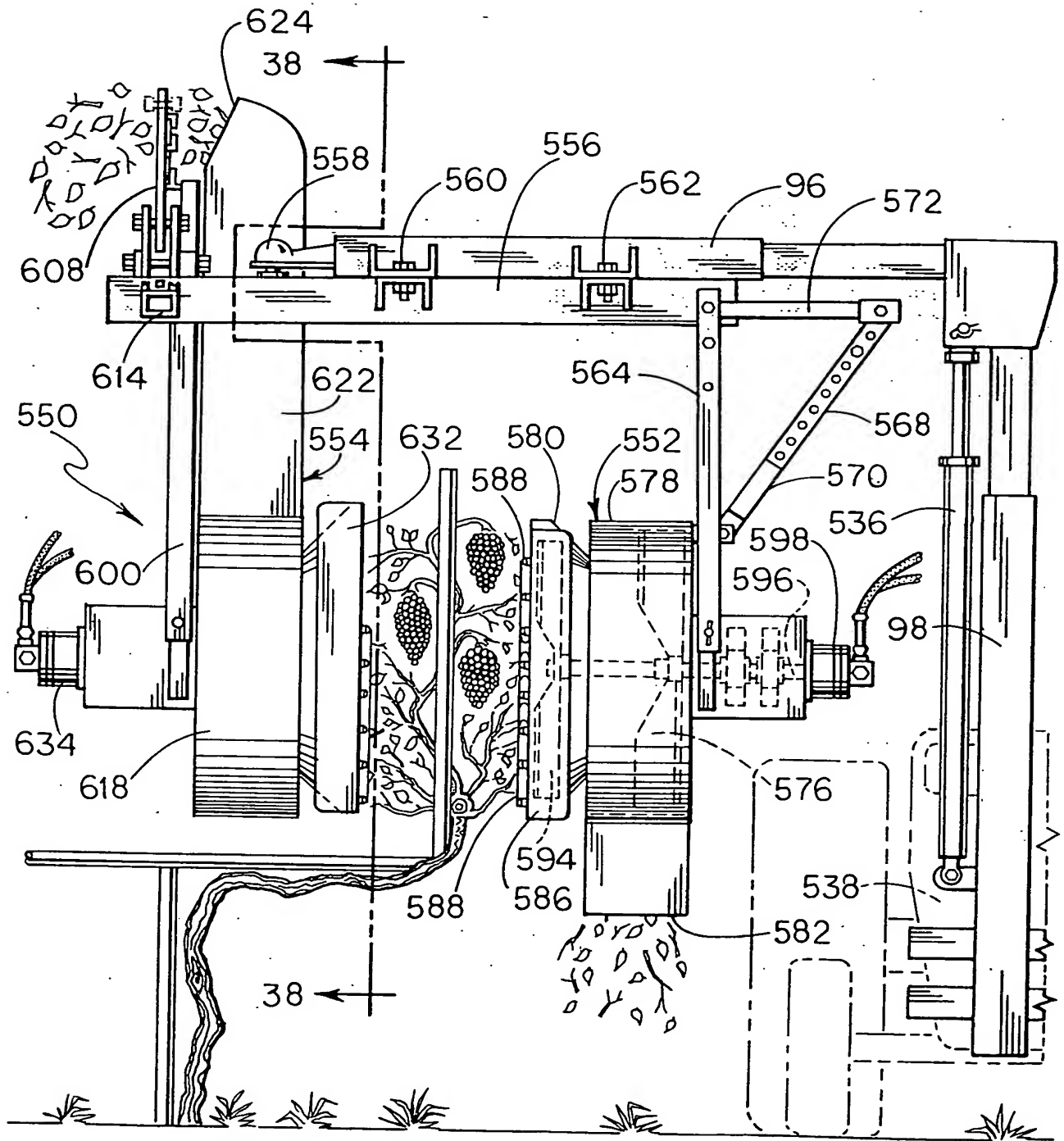
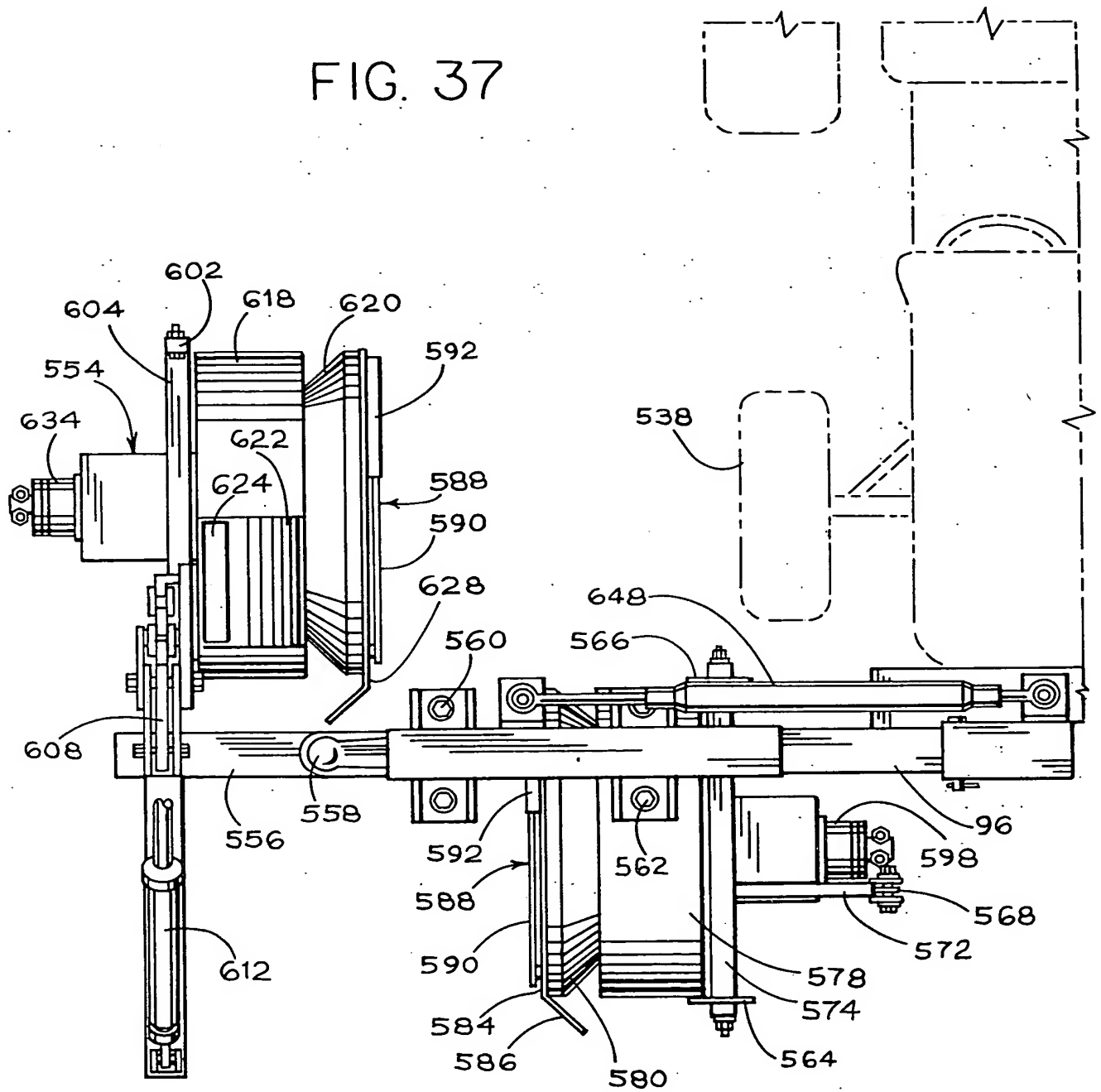


FIG. 36

FIG. 37



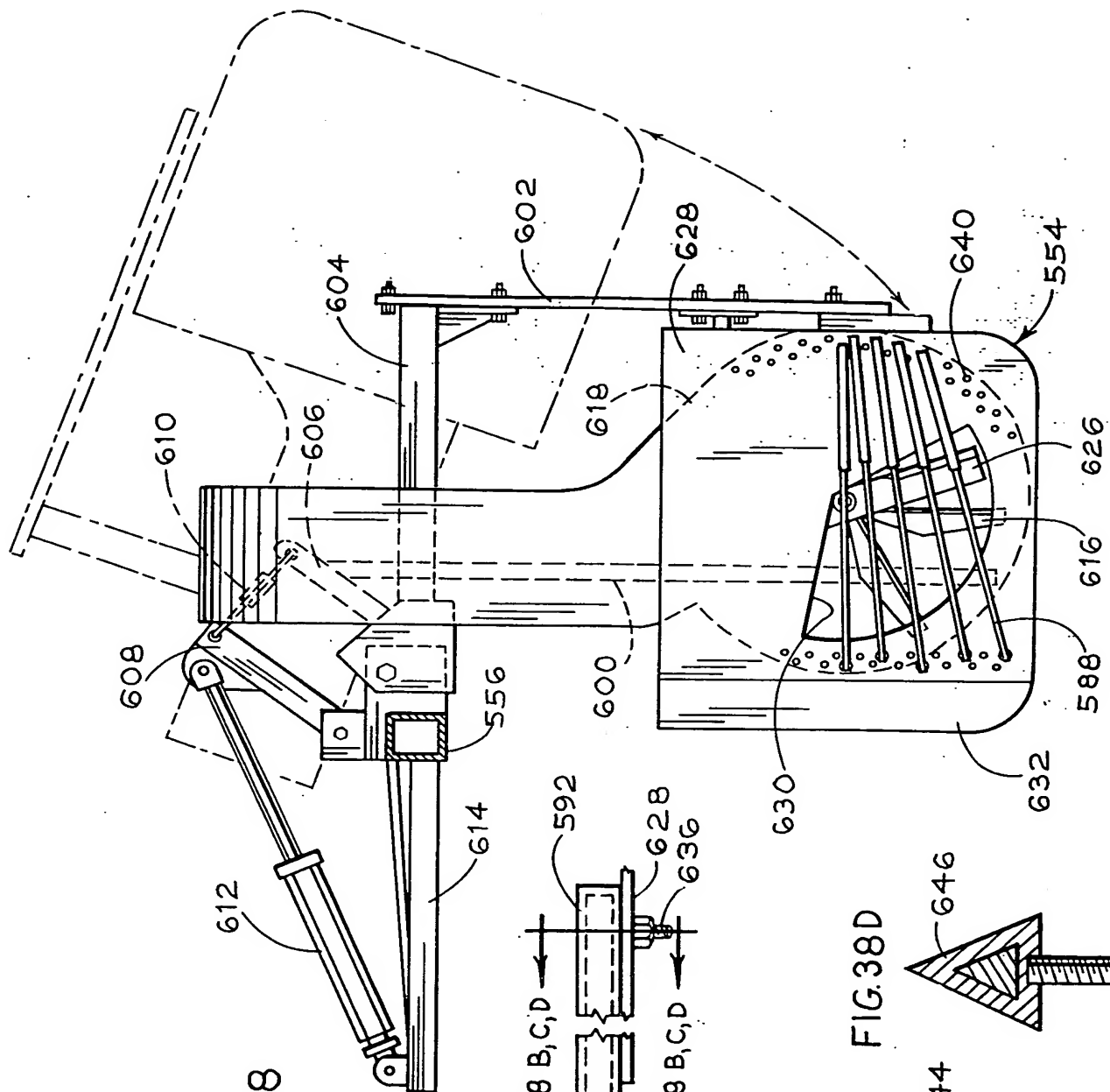


FIG. 38

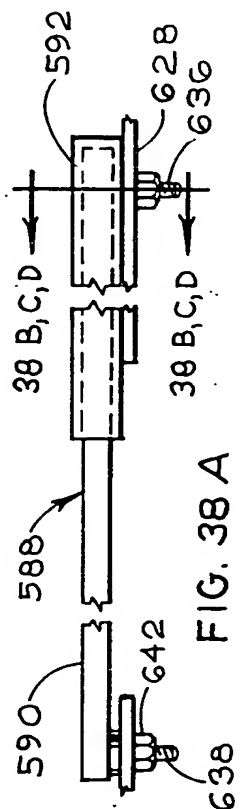


FIG. 38A

FIG. 38B FIG. 38C FIG. 38D

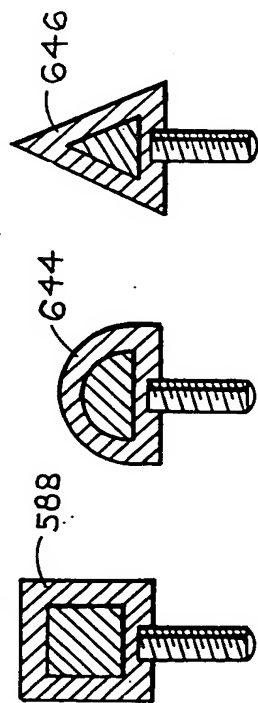
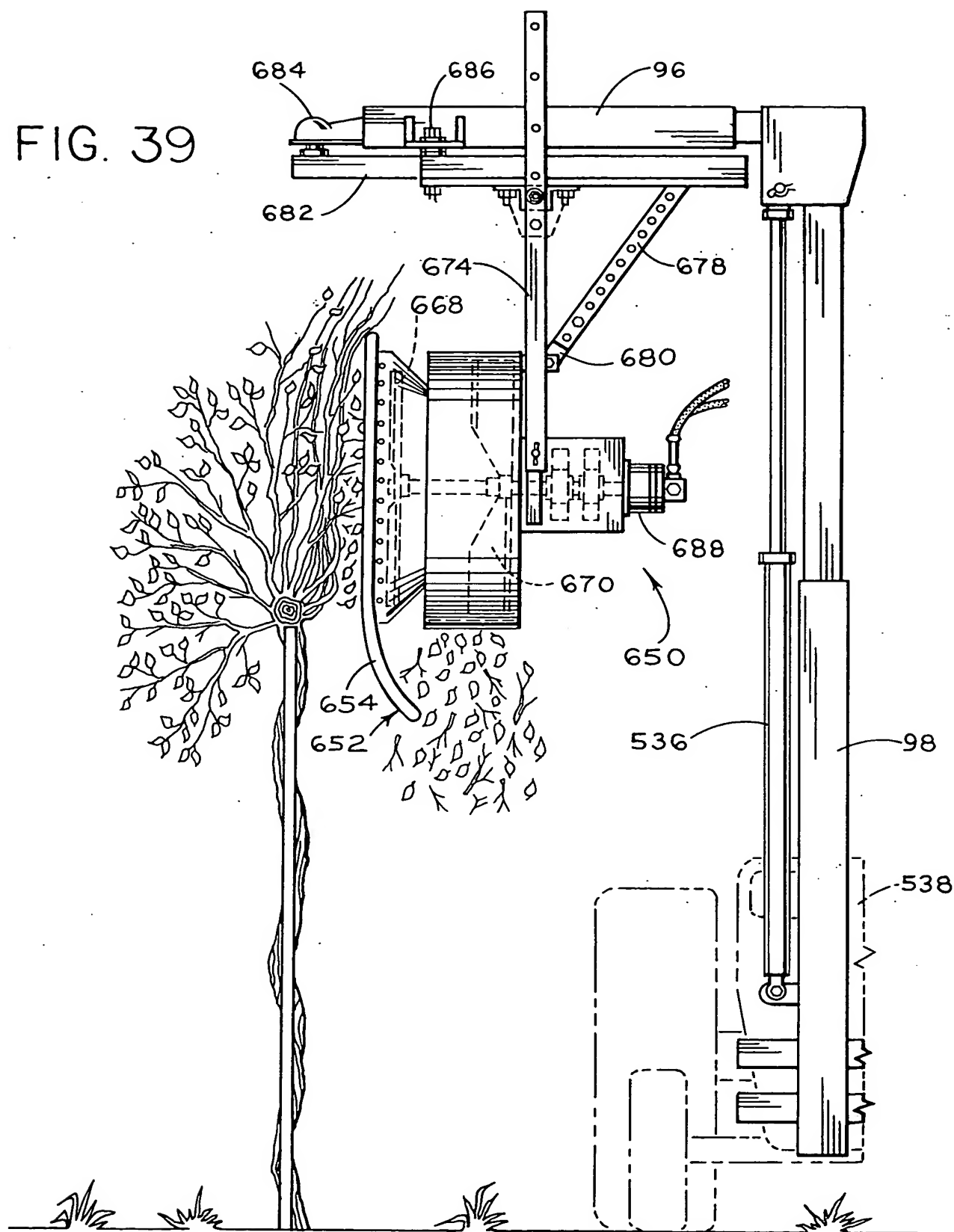


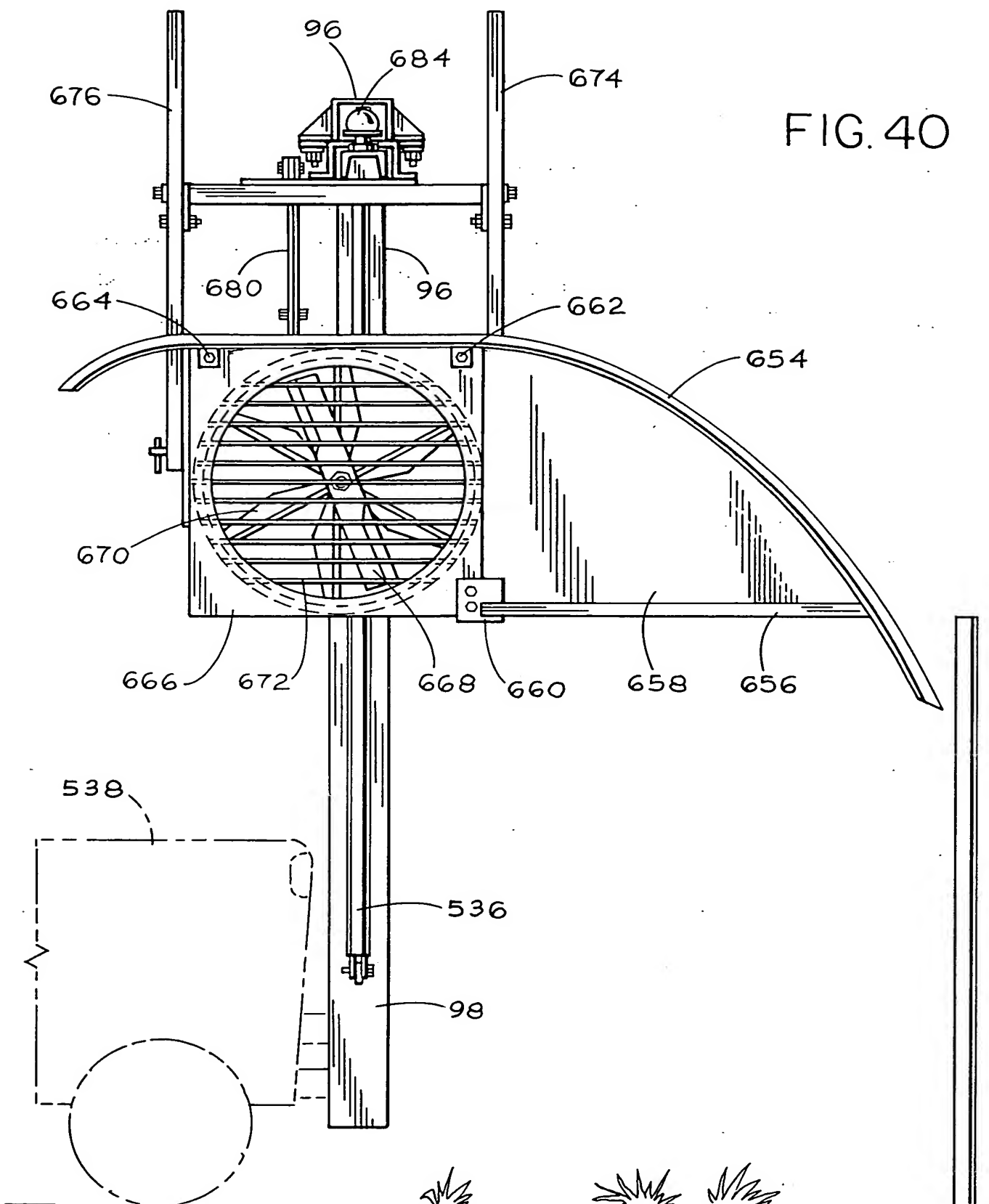
FIG. 39



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202450-1401001

FIG. 40



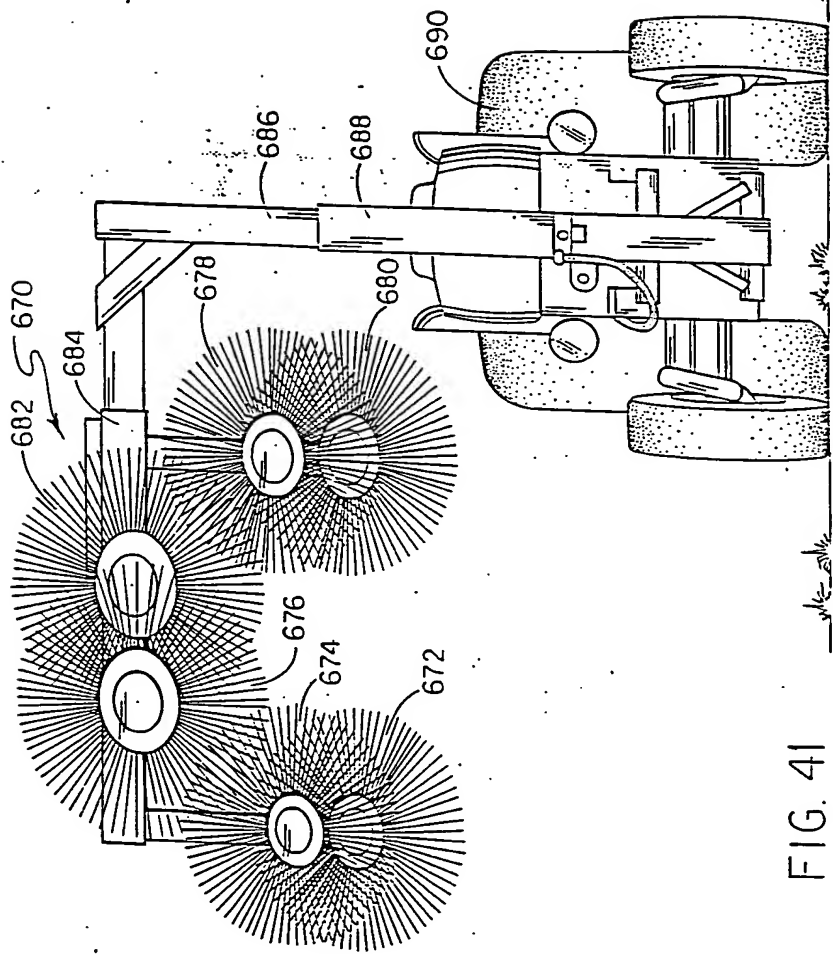


FIG. 41

FIG. 42

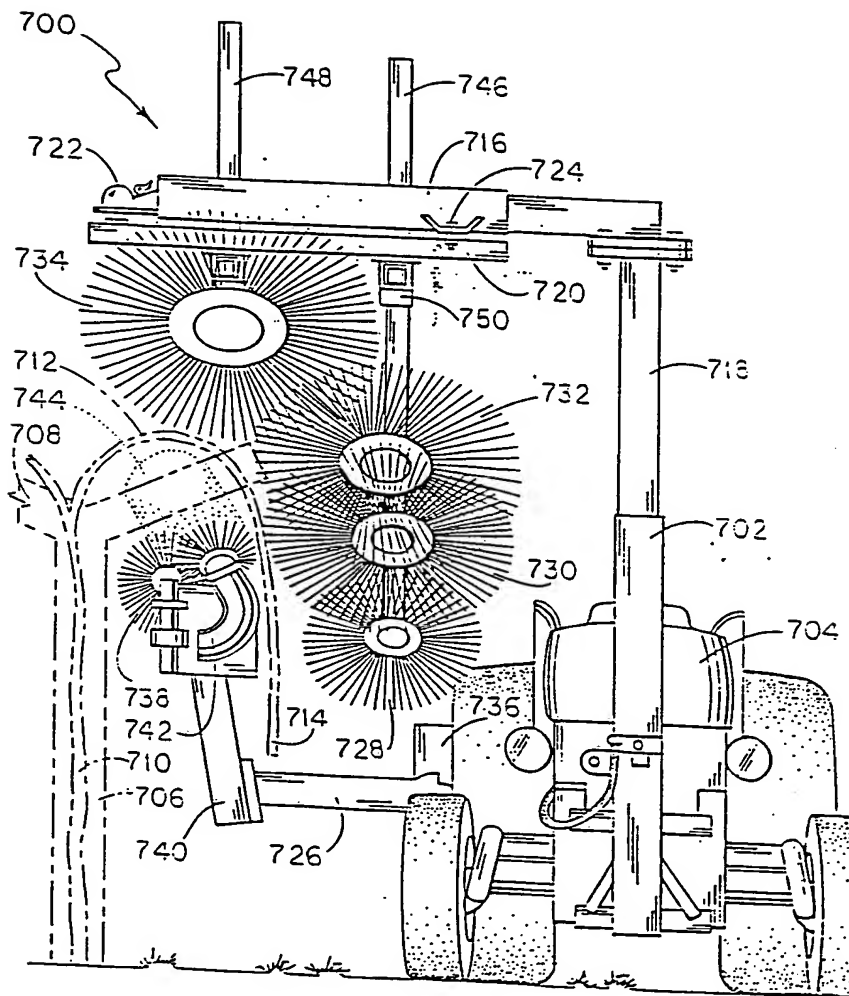
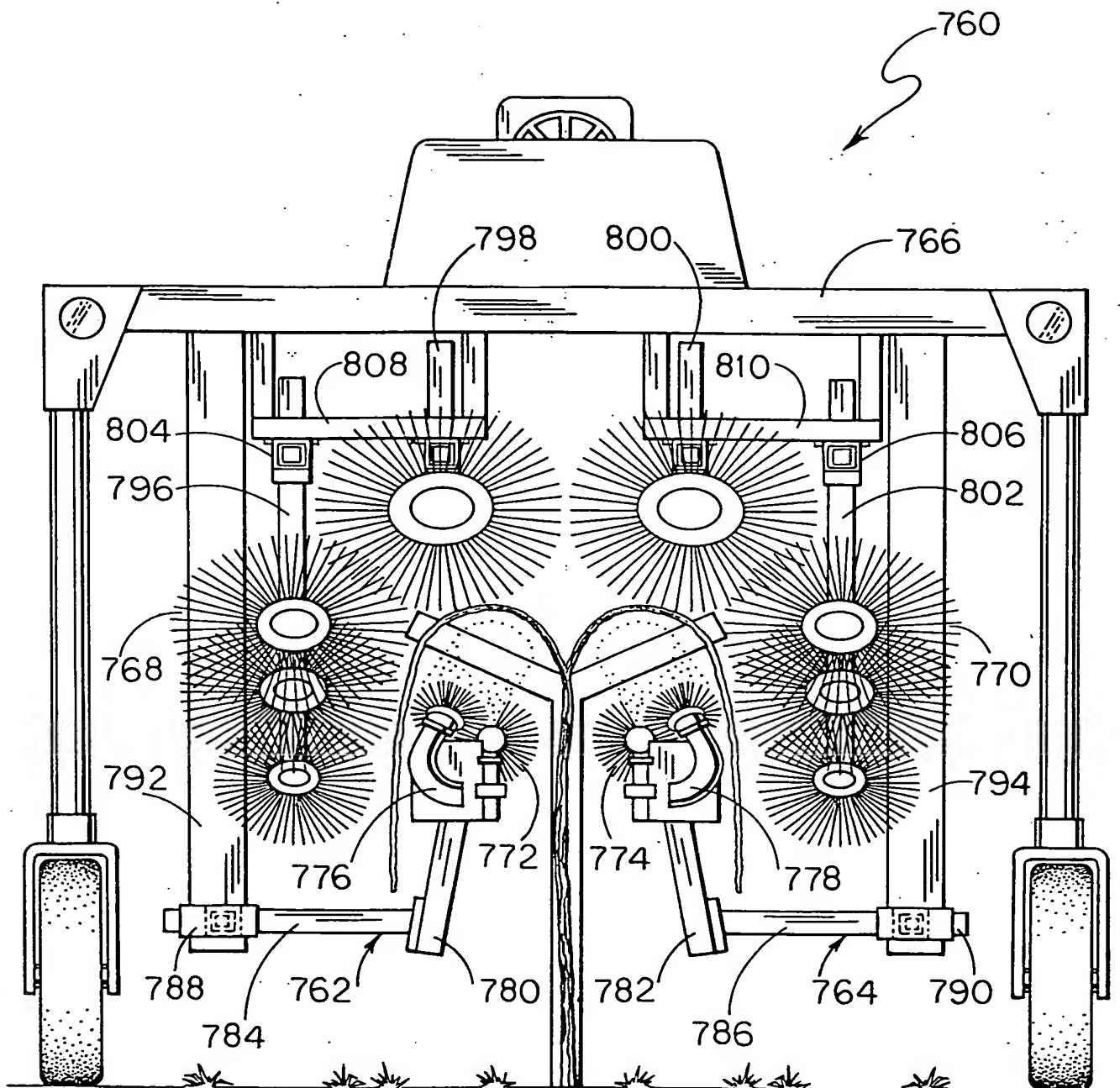


FIG. 42

FIG. 42A



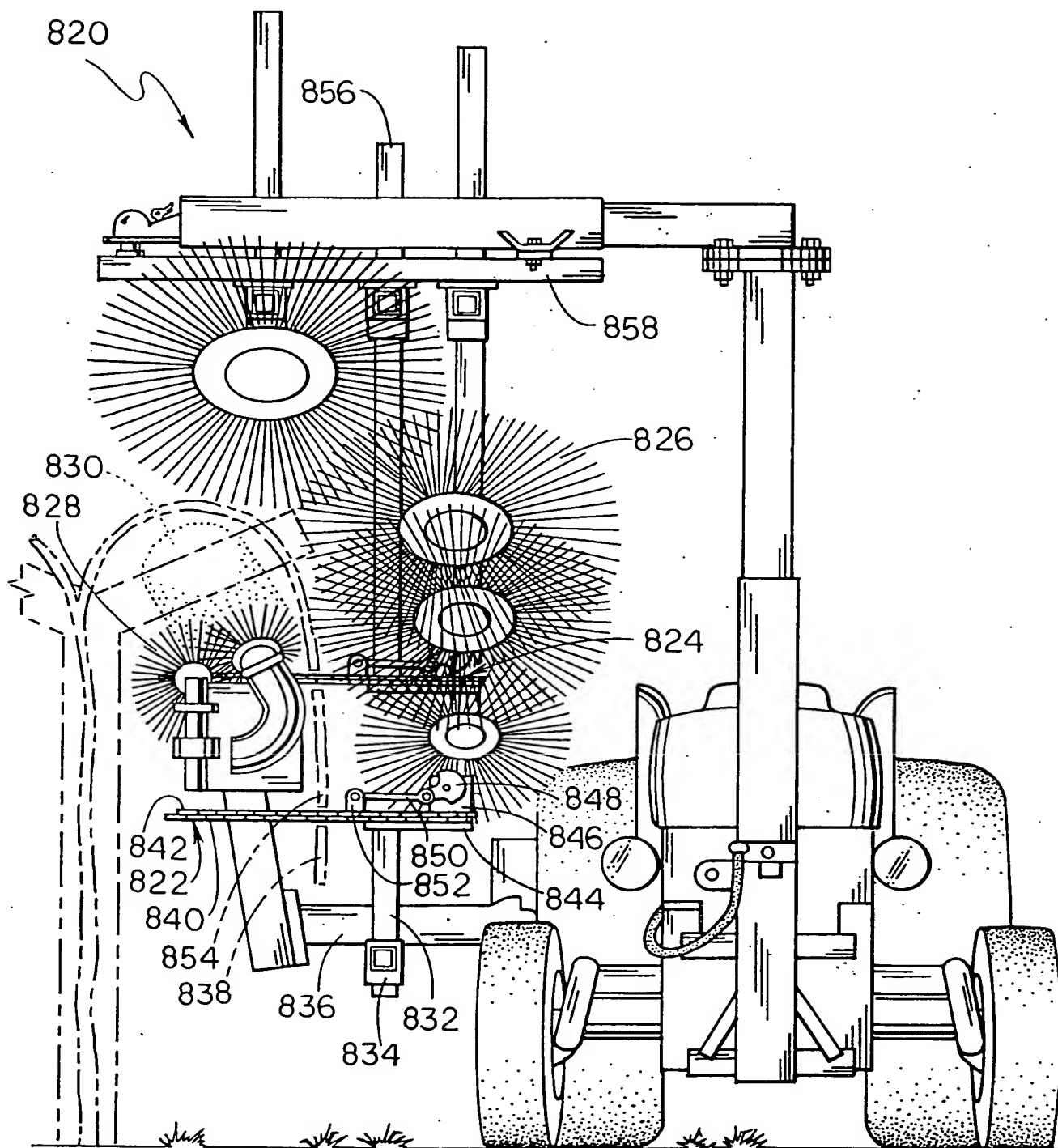


FIG. 43

2025044001

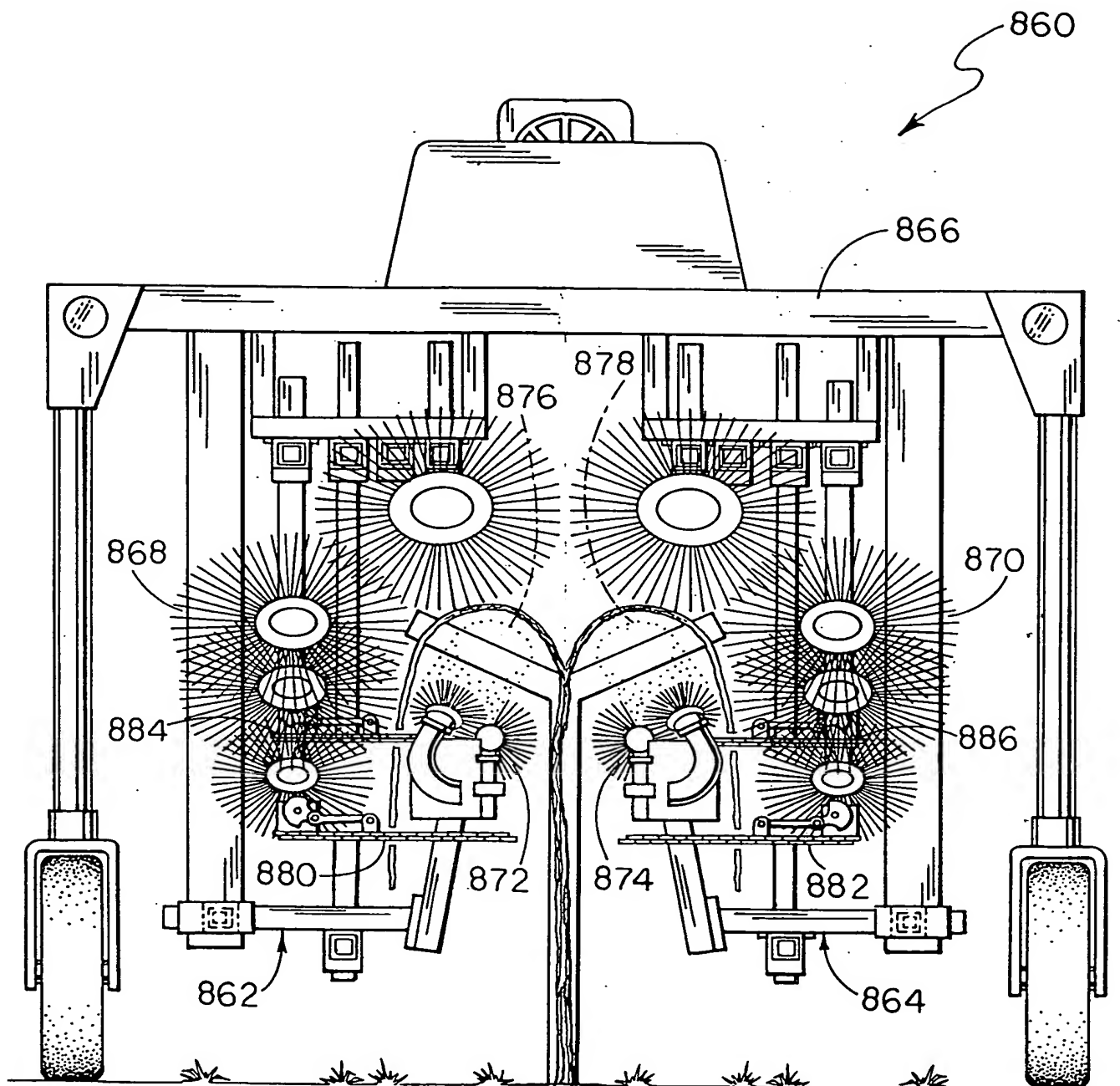
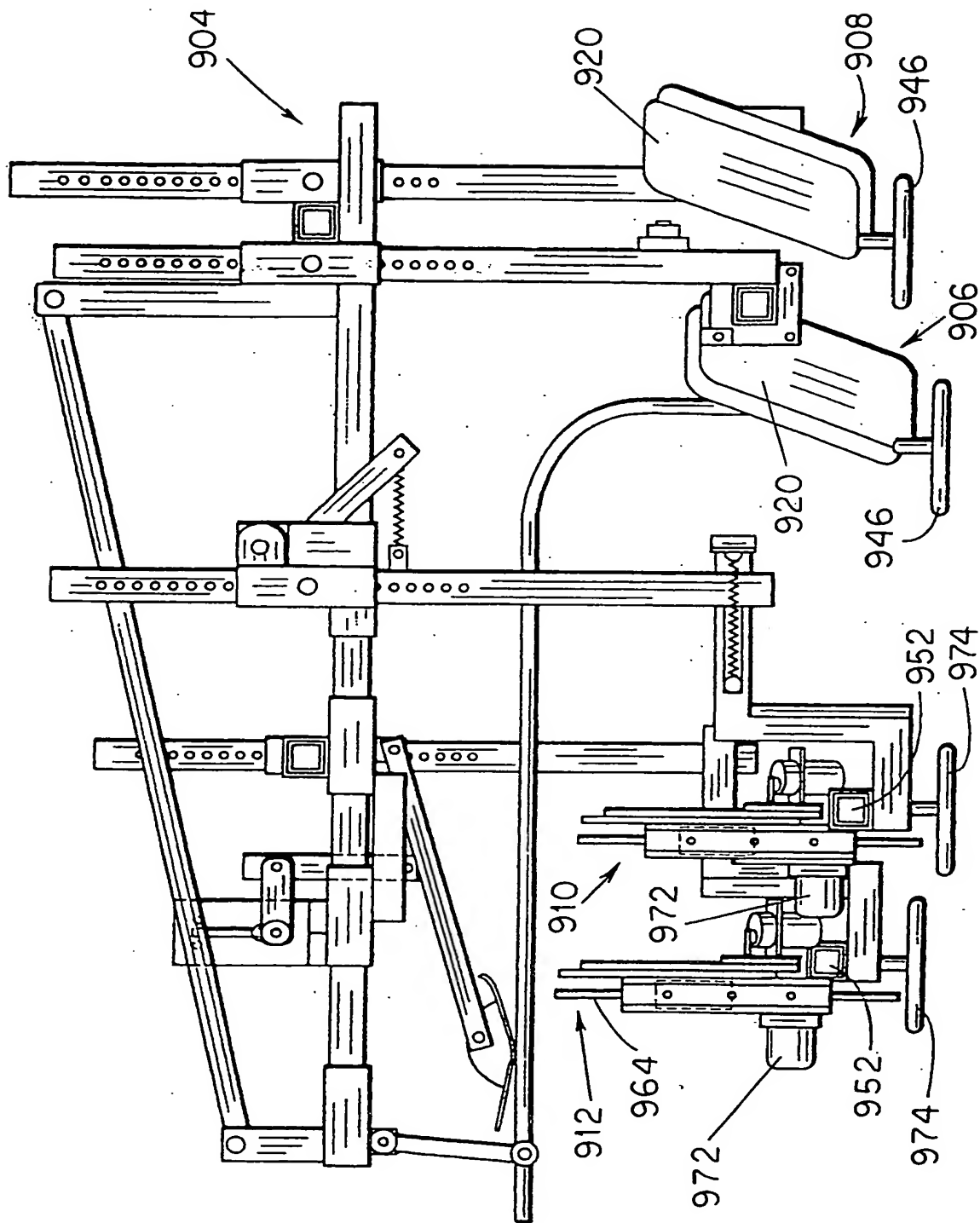
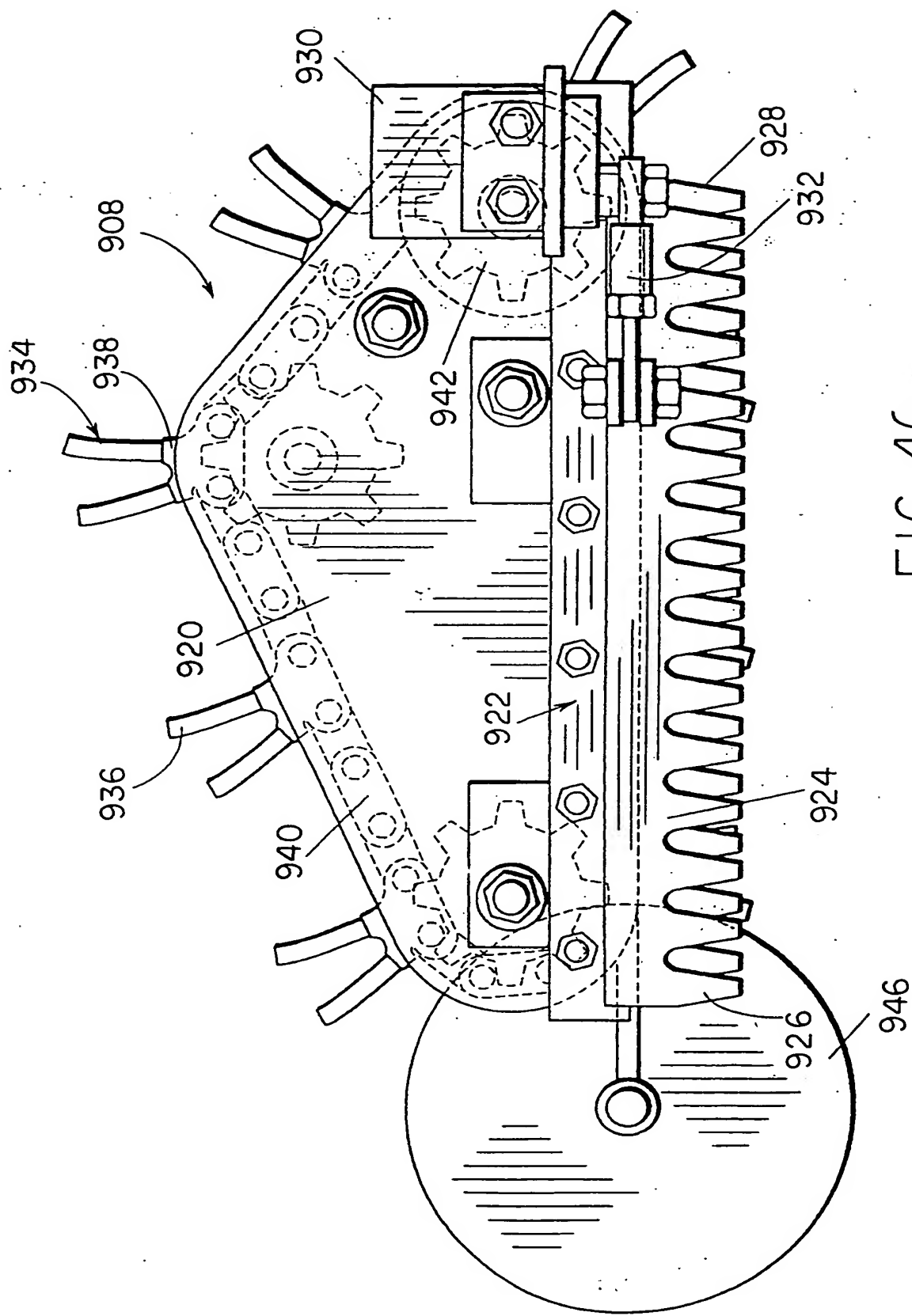


FIG. 43A

FIG. 45





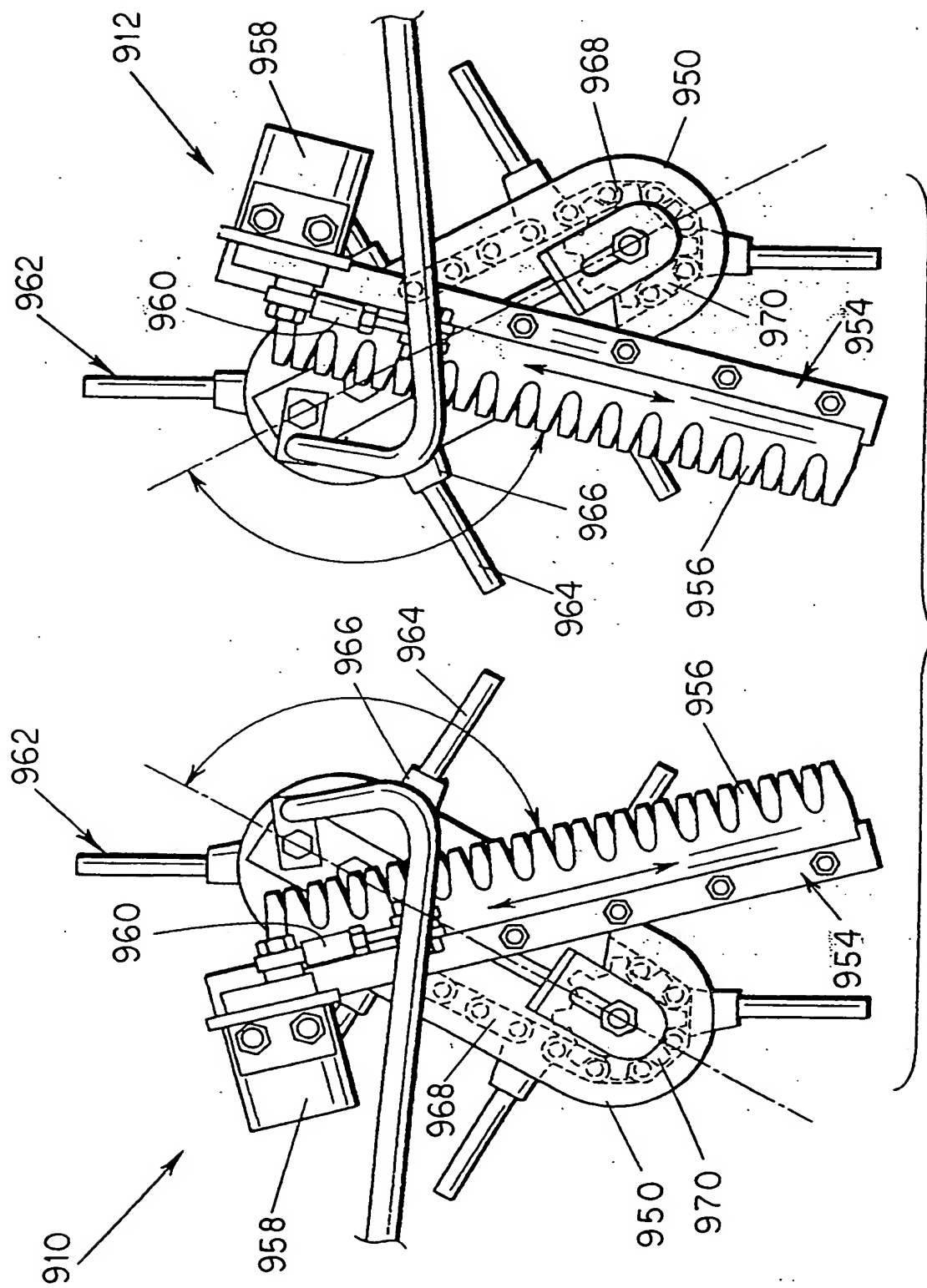


FIG. 47

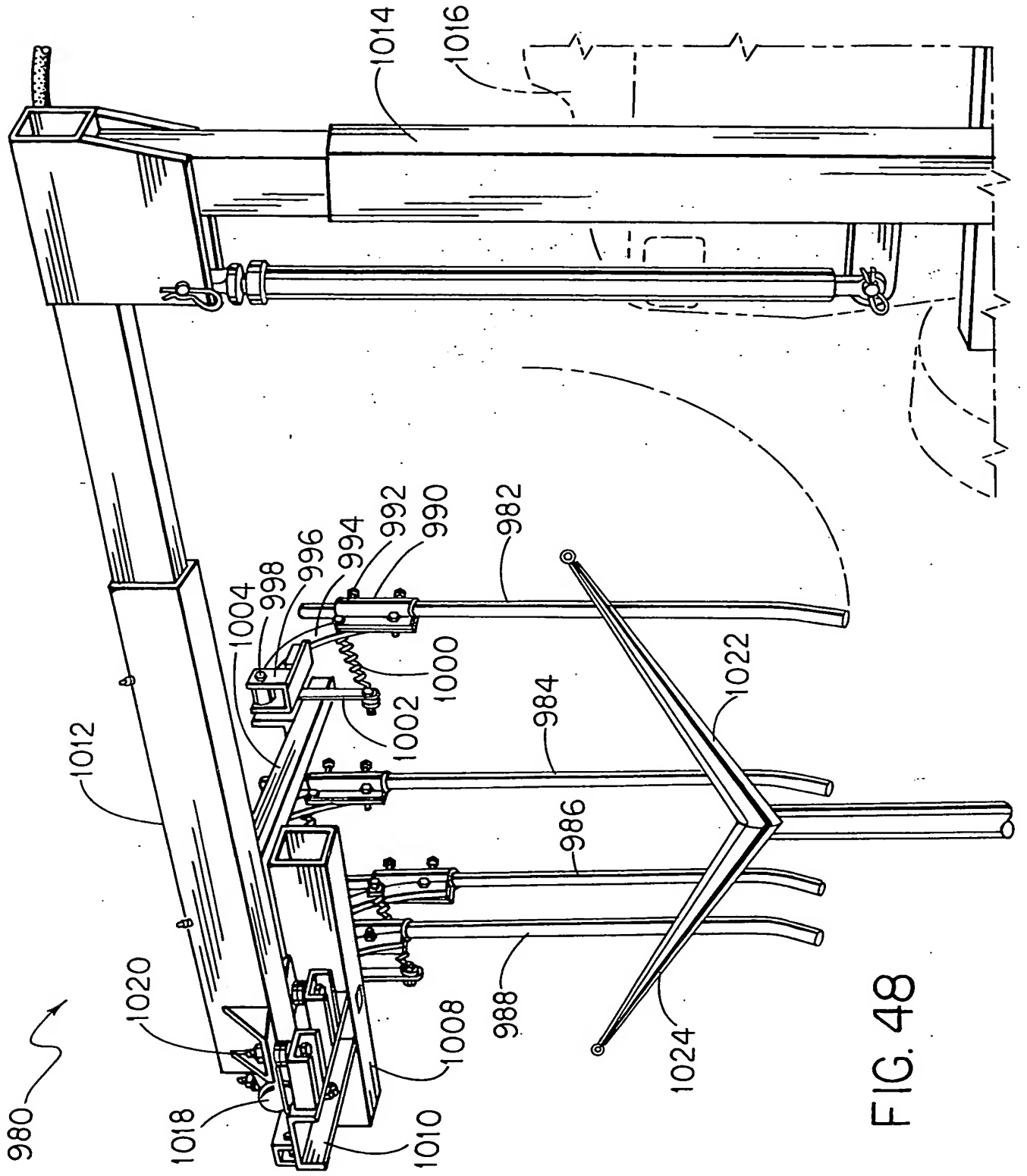


FIG. 48

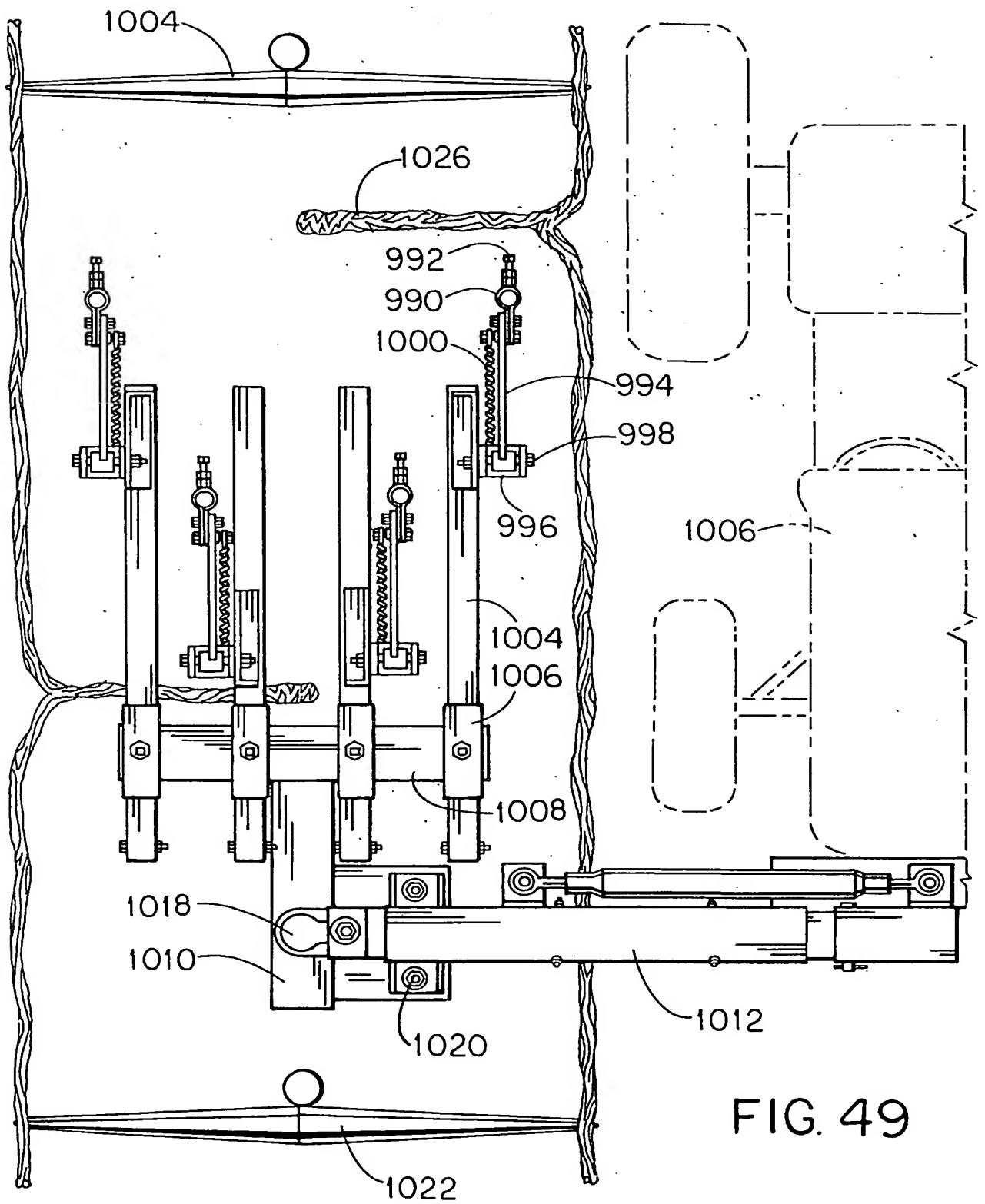


FIG. 49

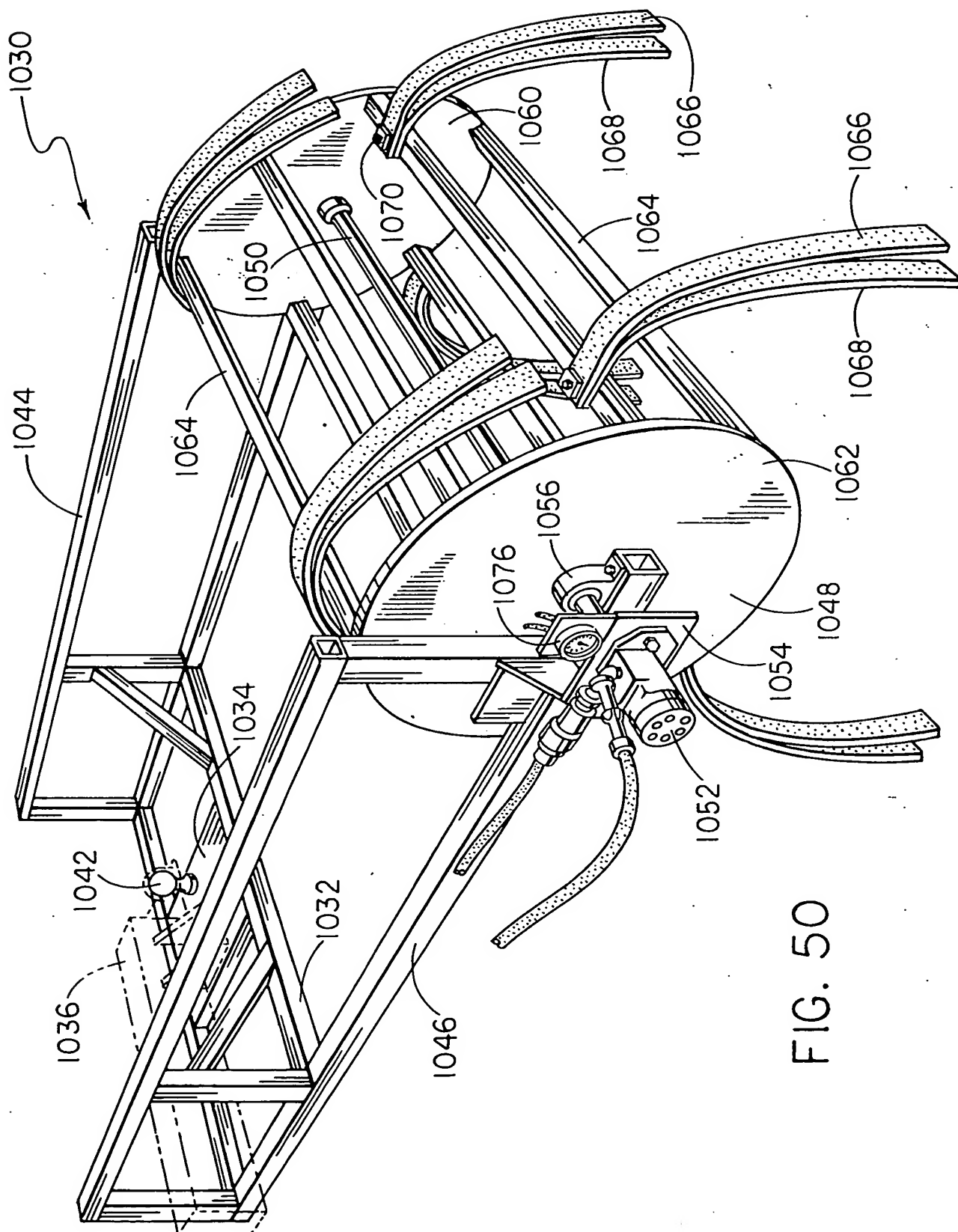


FIG. 50

FIG. 51

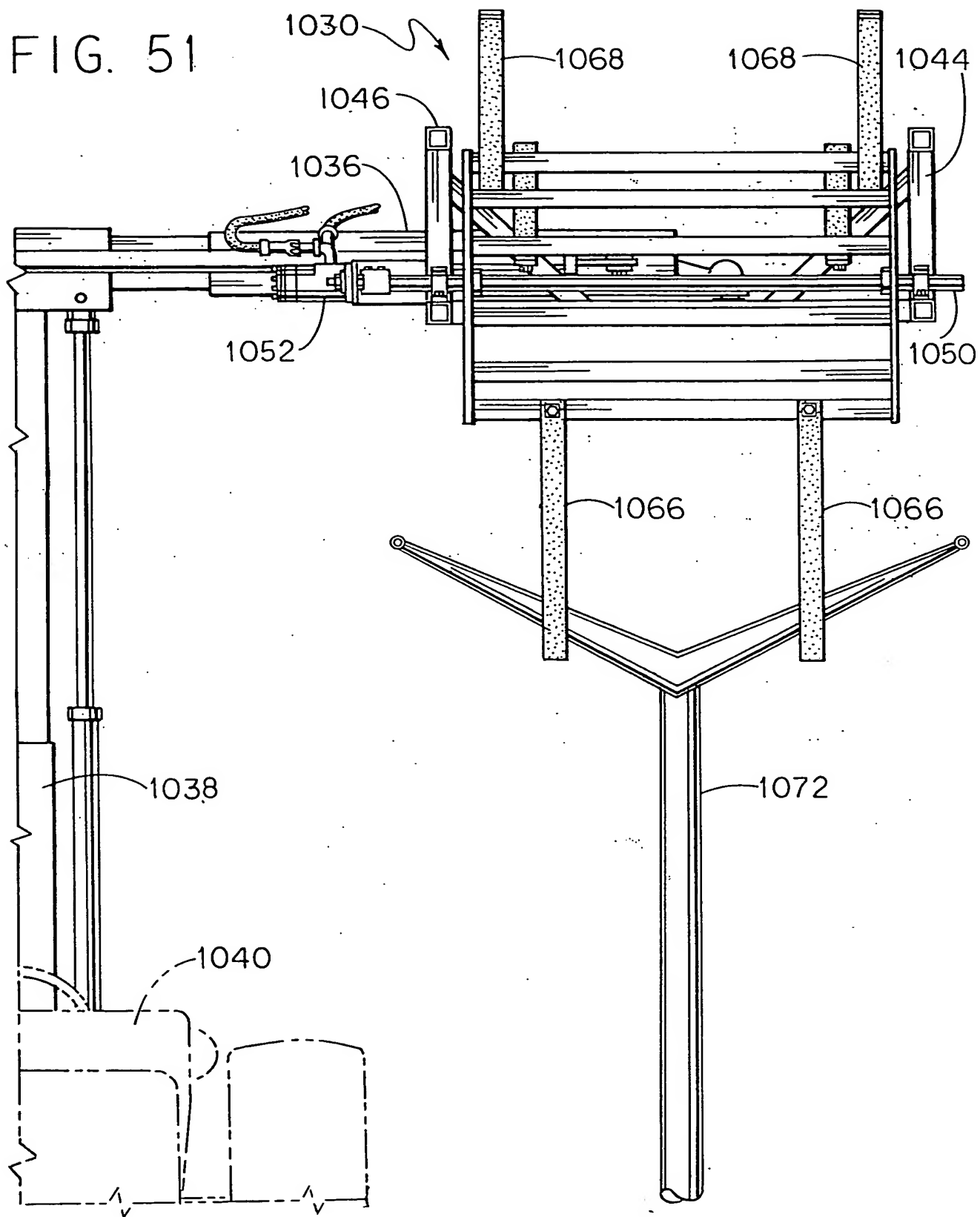
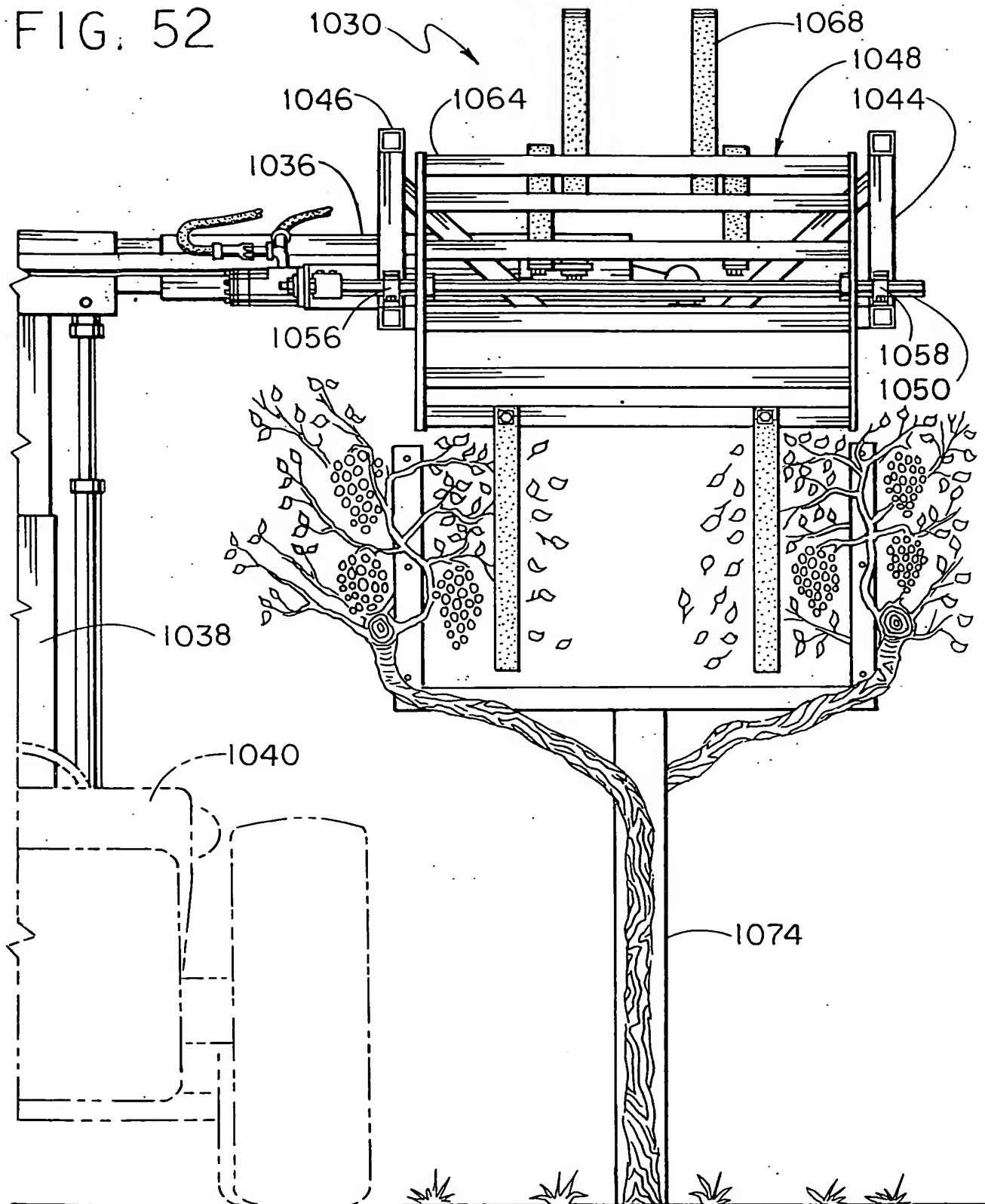


FIG. 52



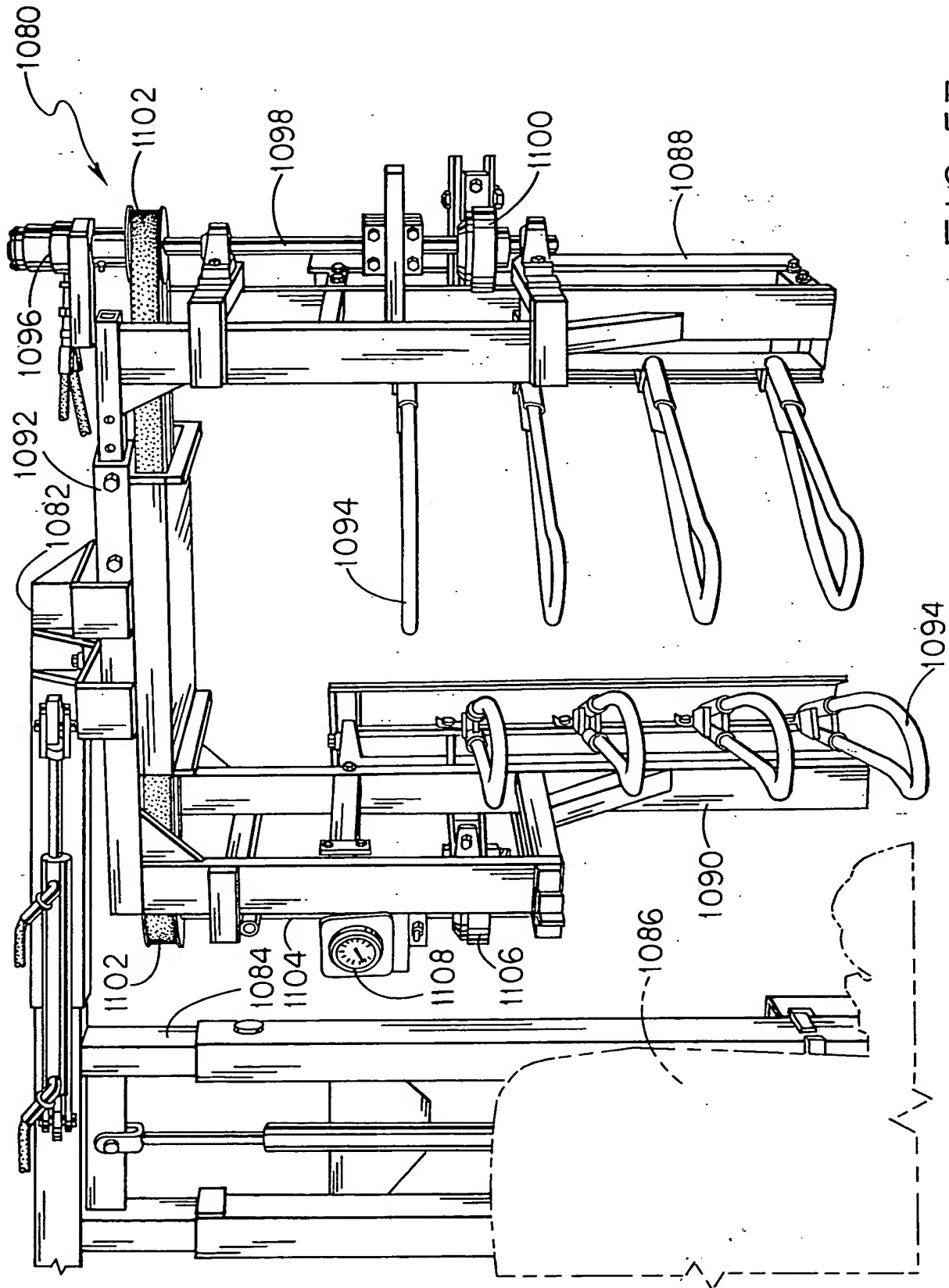


FIG. 53

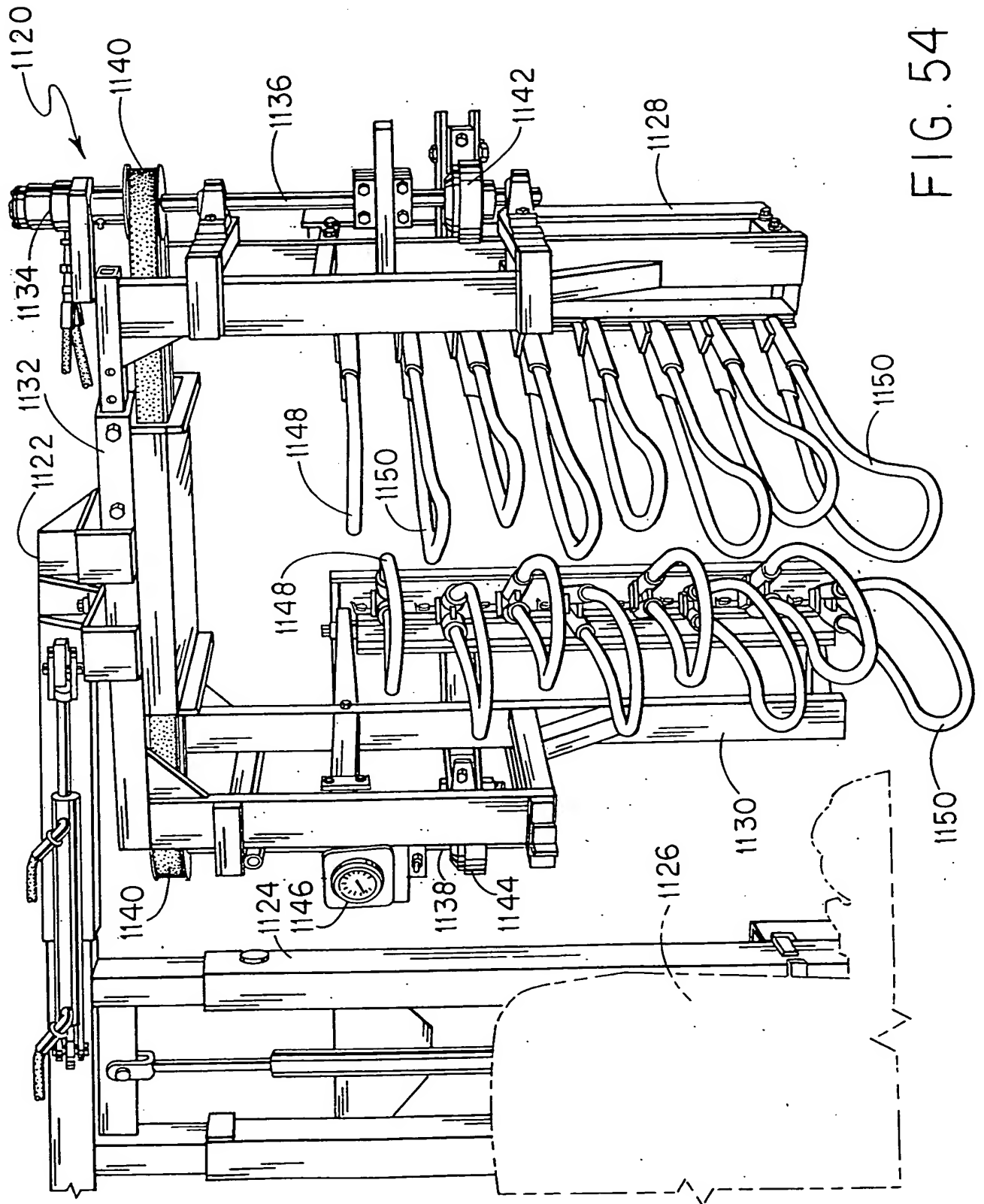


FIG. 54

2024-11-14 10:44:00

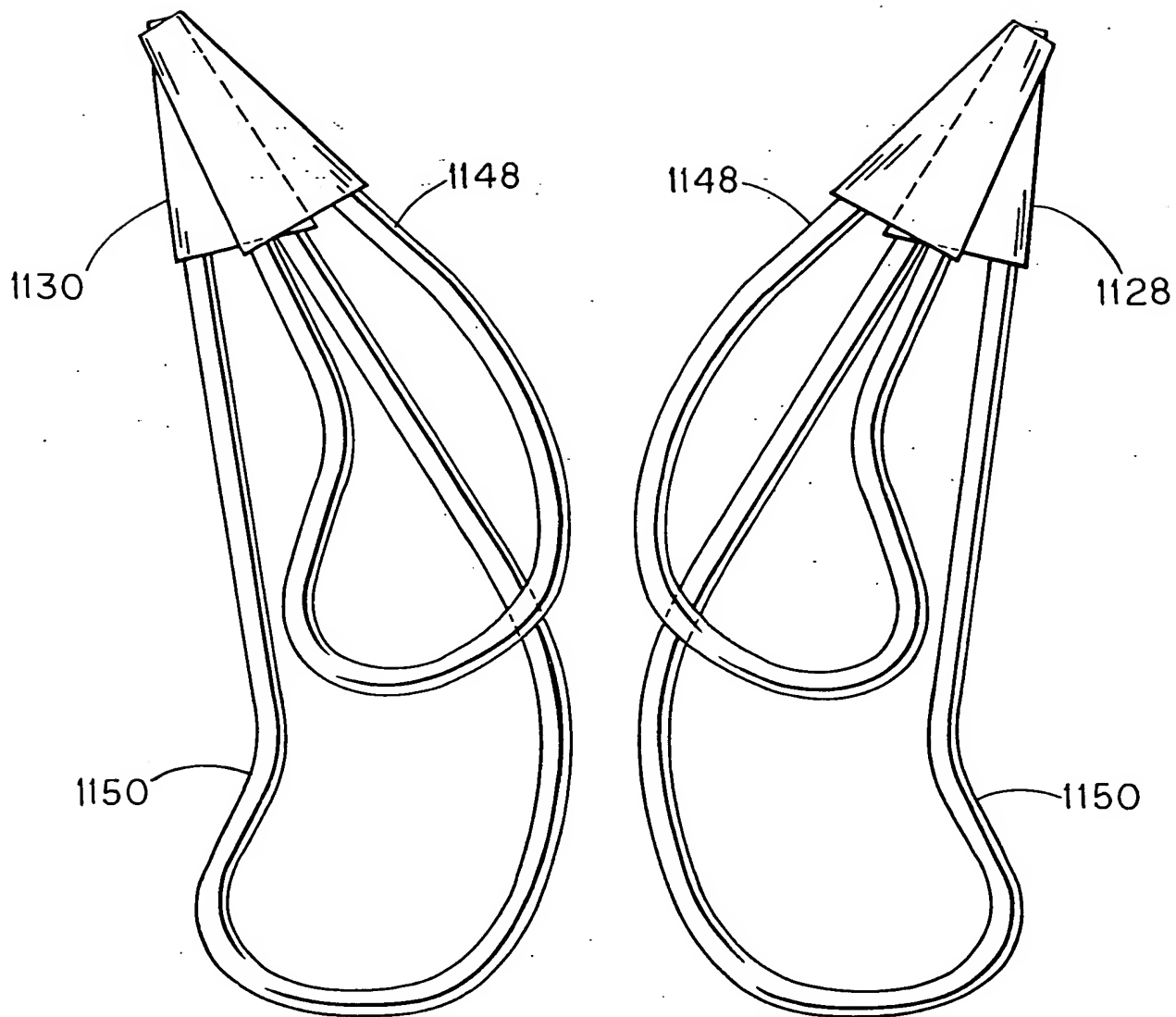
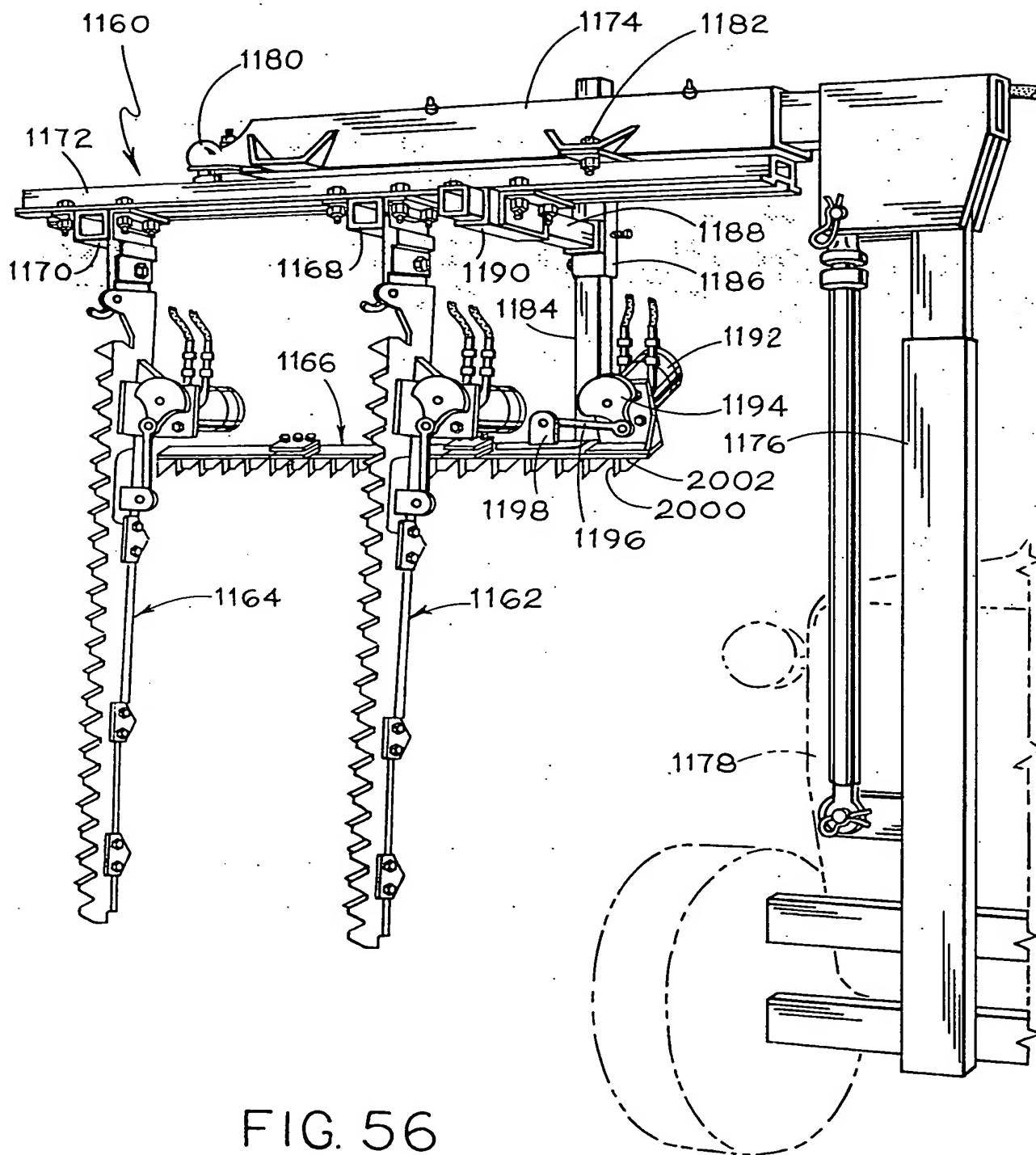


FIG. 55



202504154400F

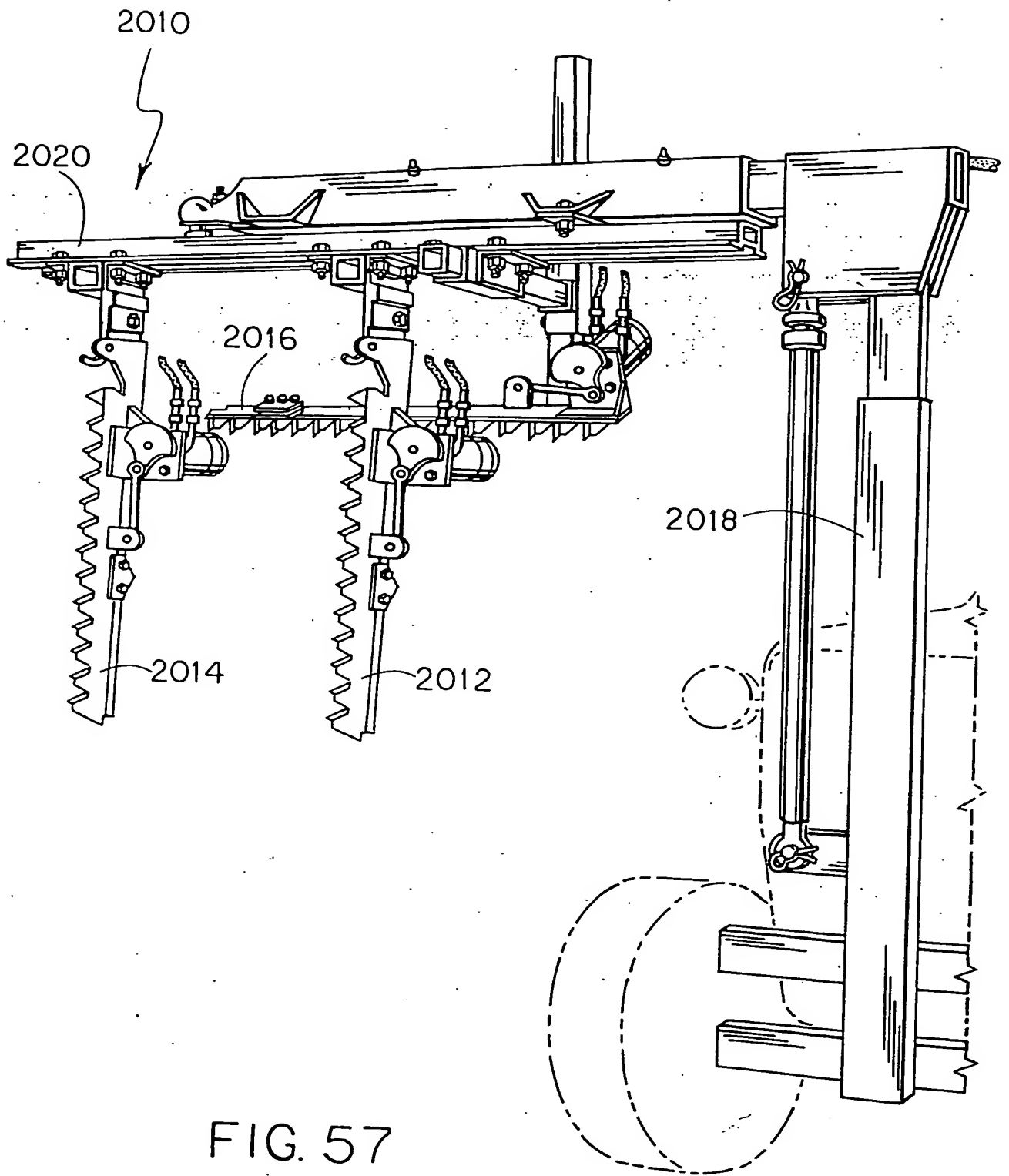


FIG. 57

FIG. 58

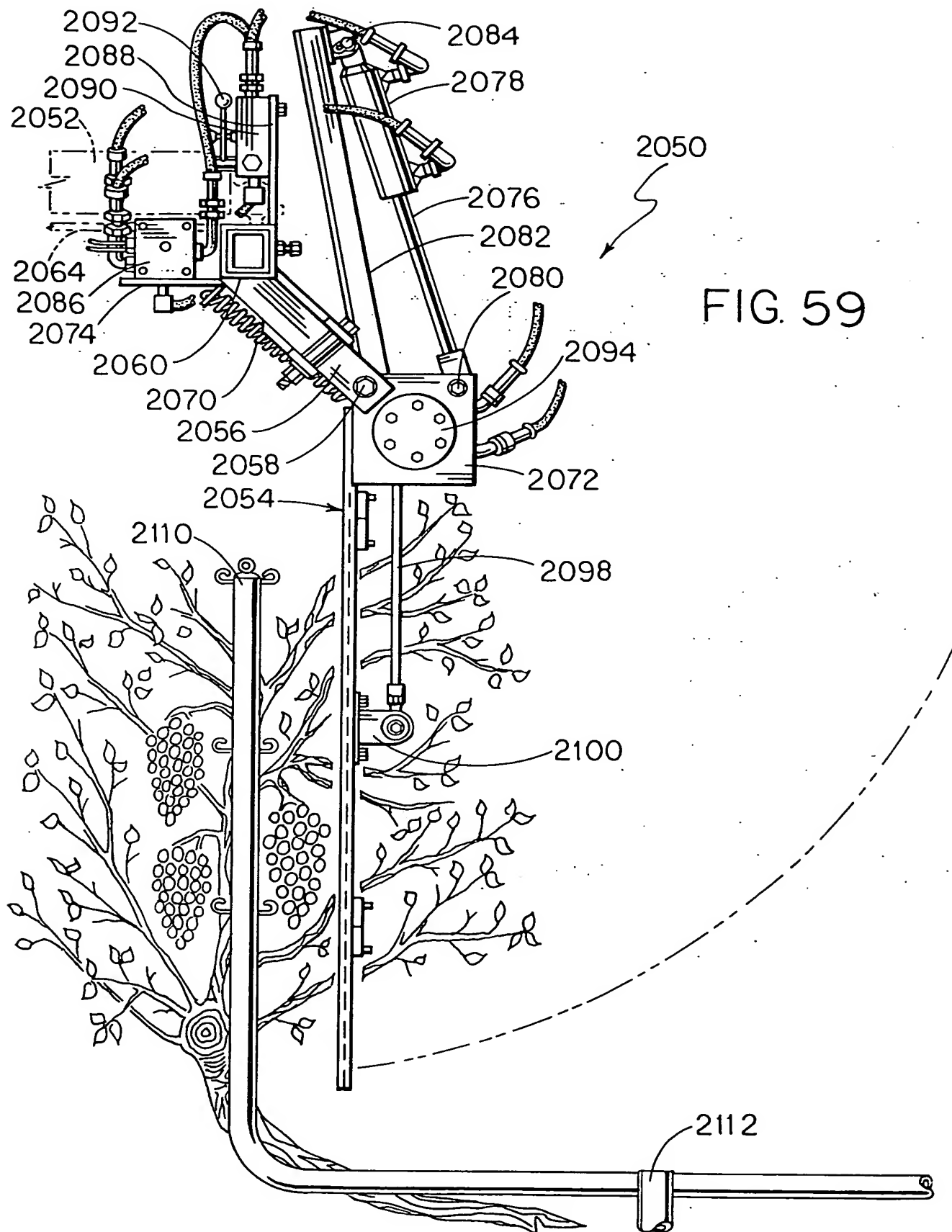


FIG. 60

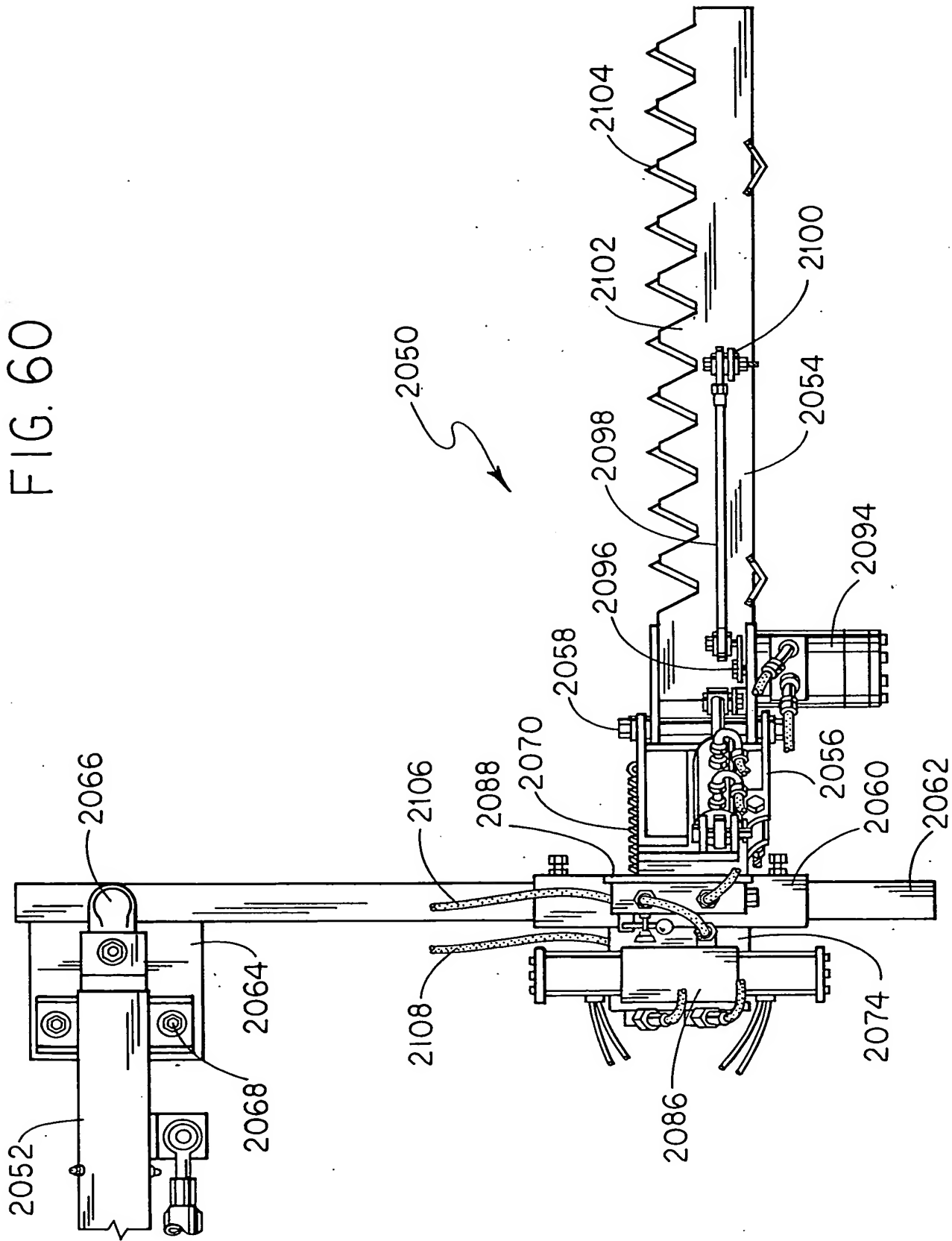


FIG. 61

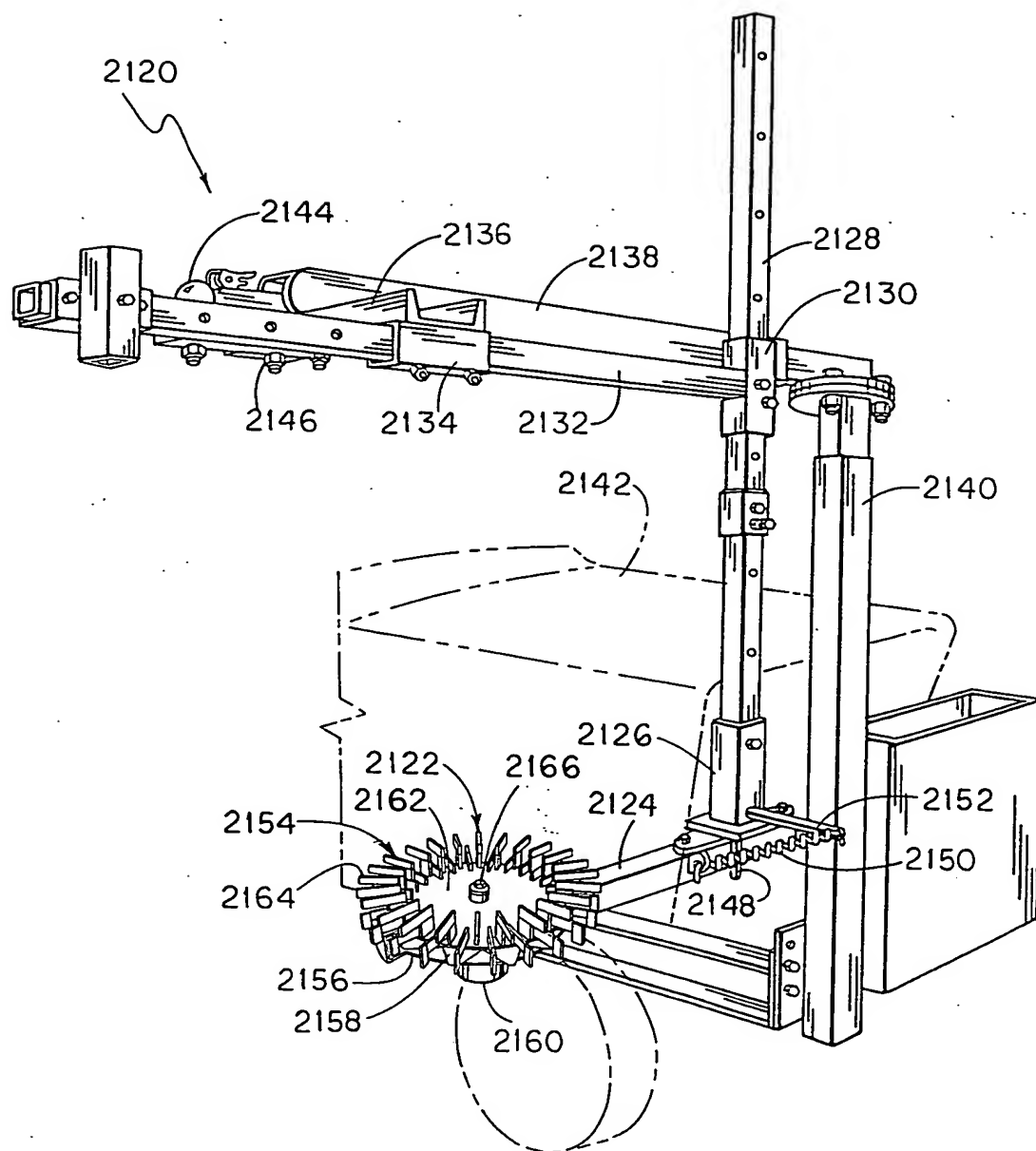


FIG. 62

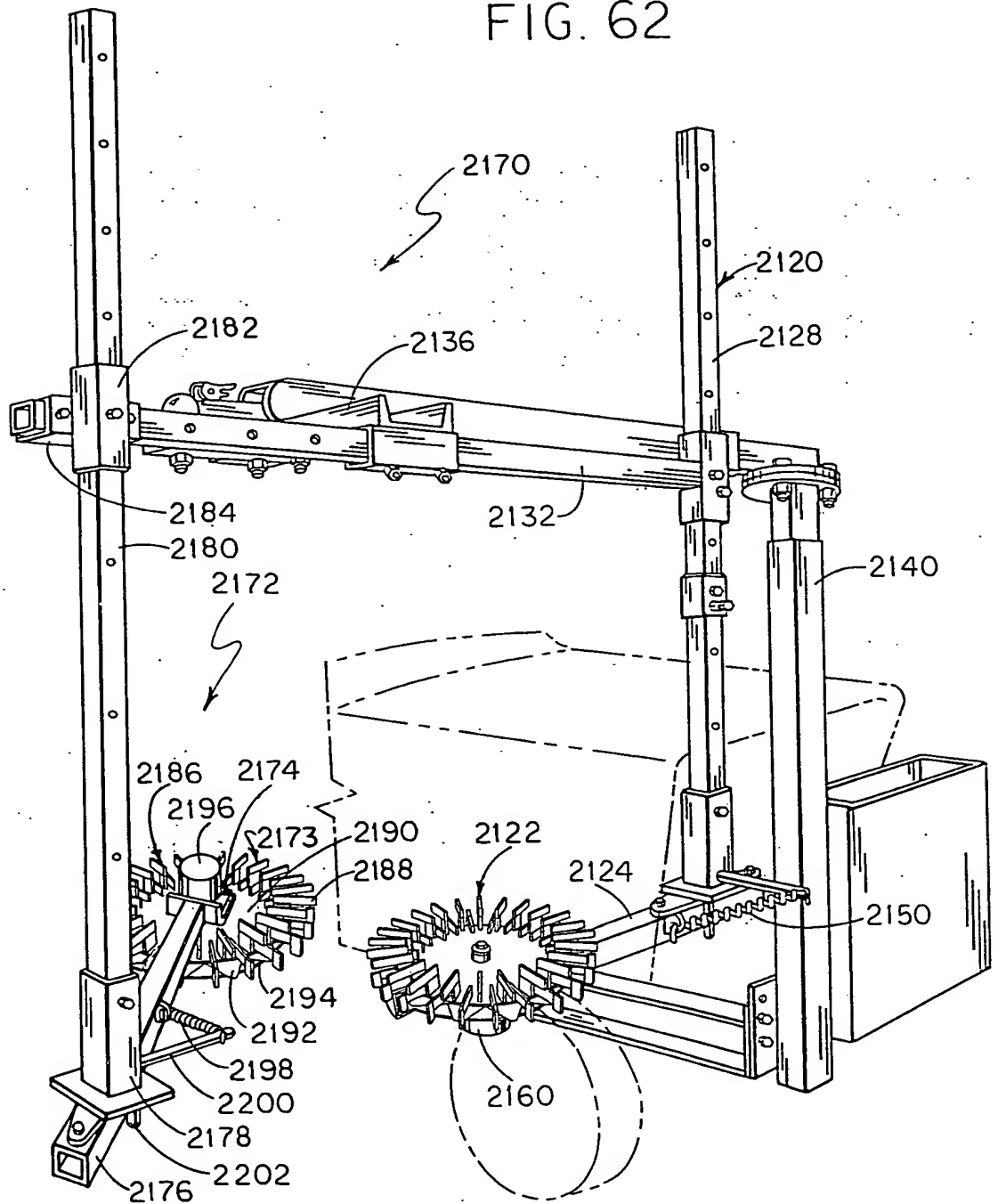
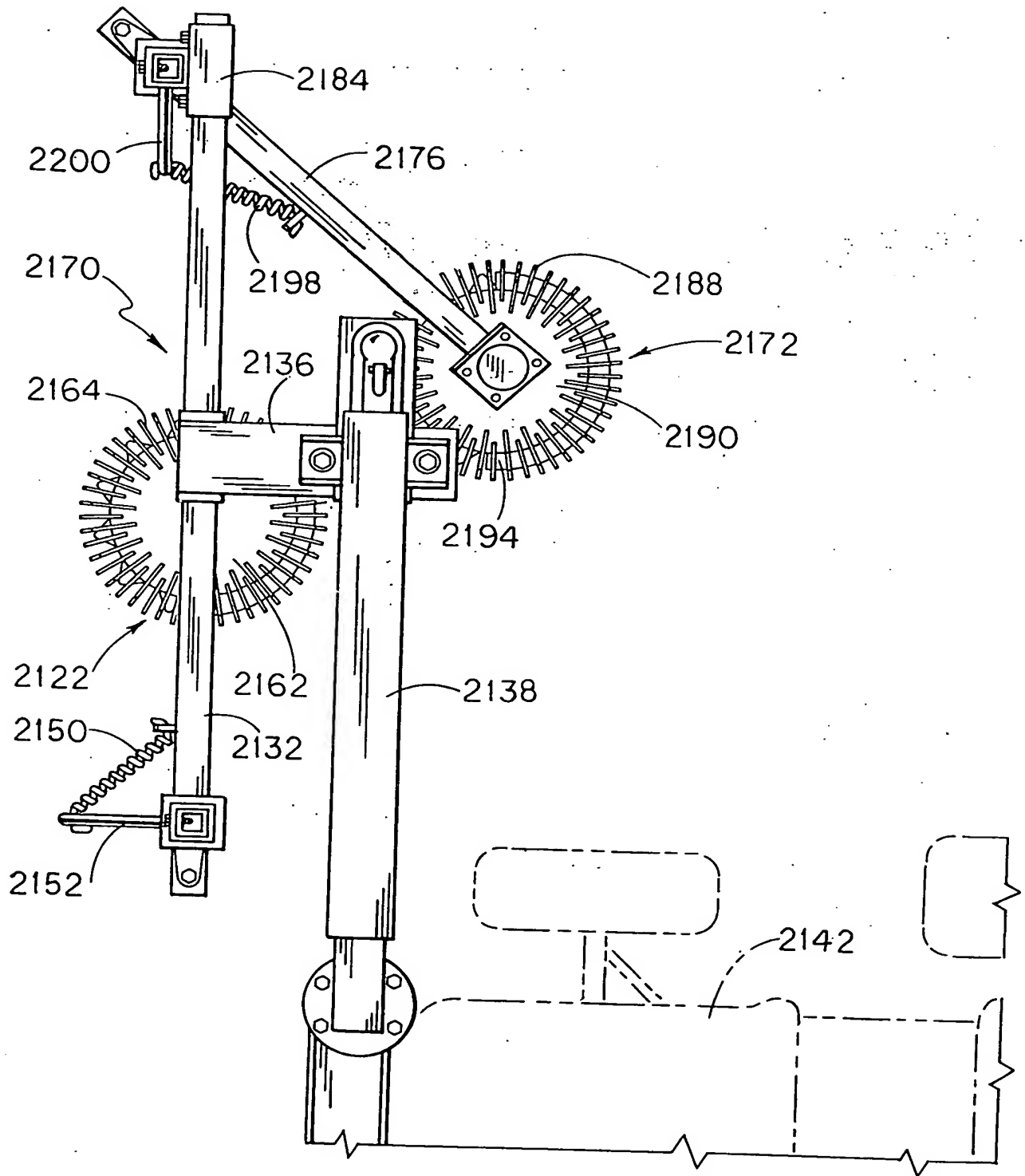


FIG. 63



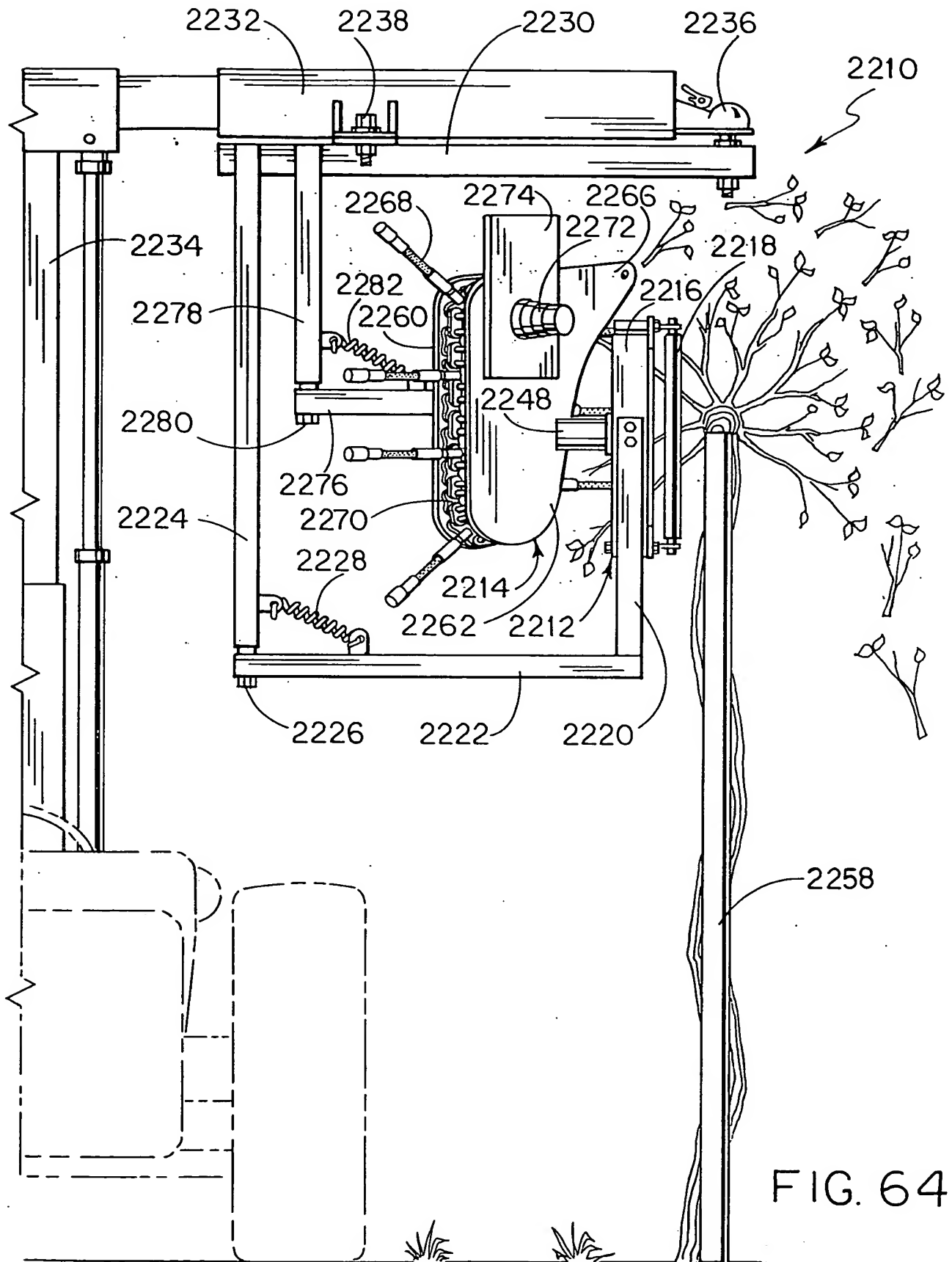
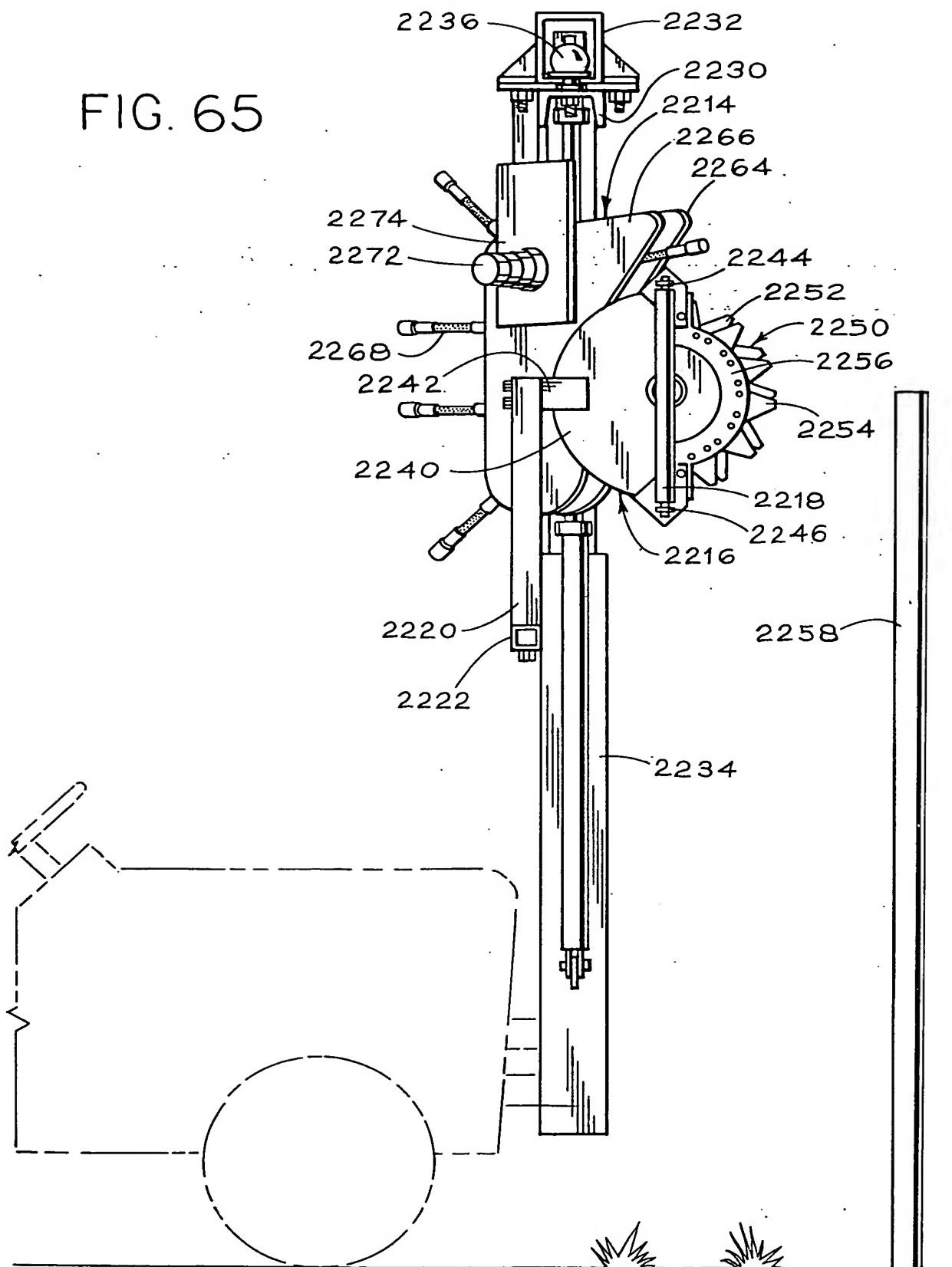


FIG. 64

FIG. 65



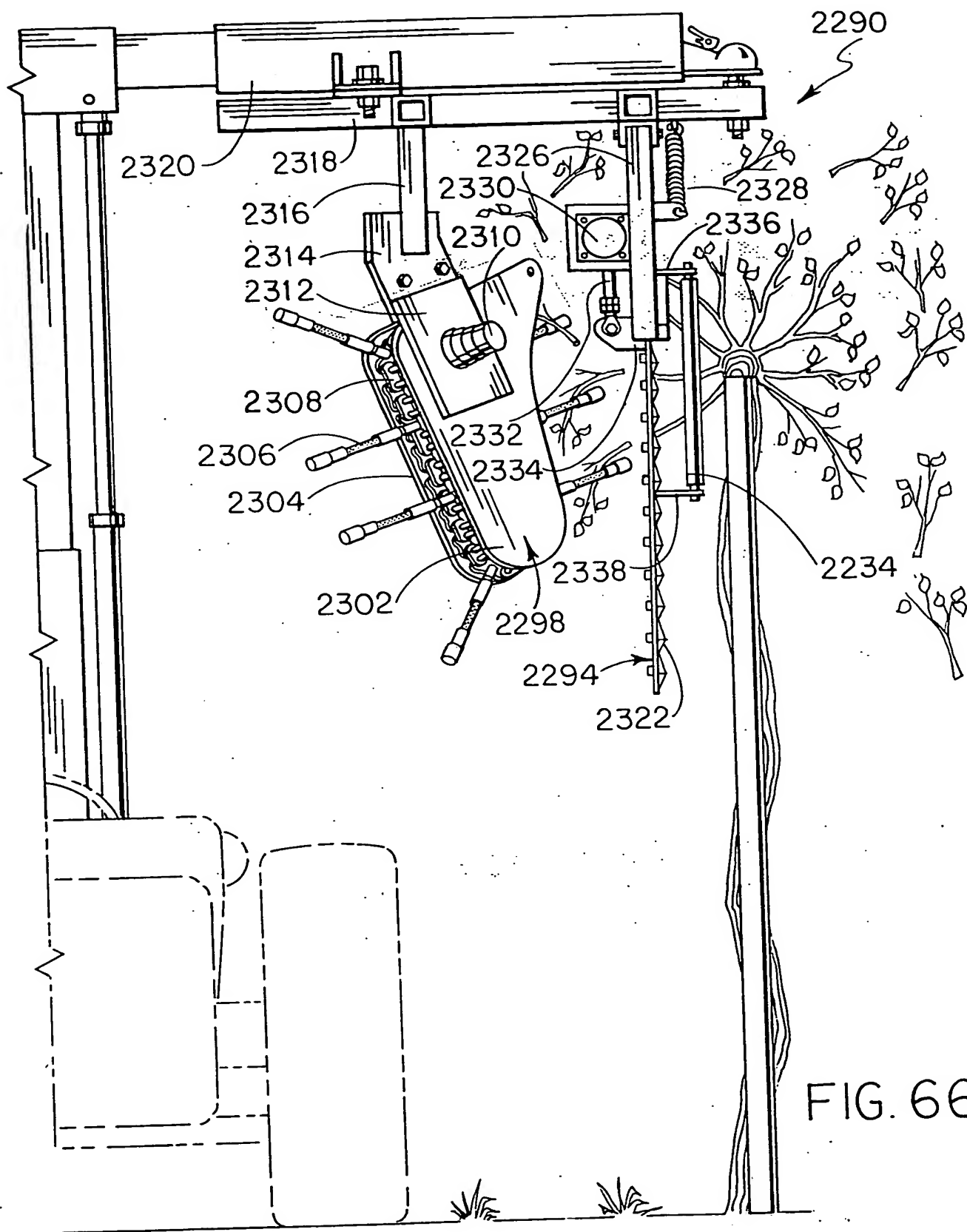


FIG. 66

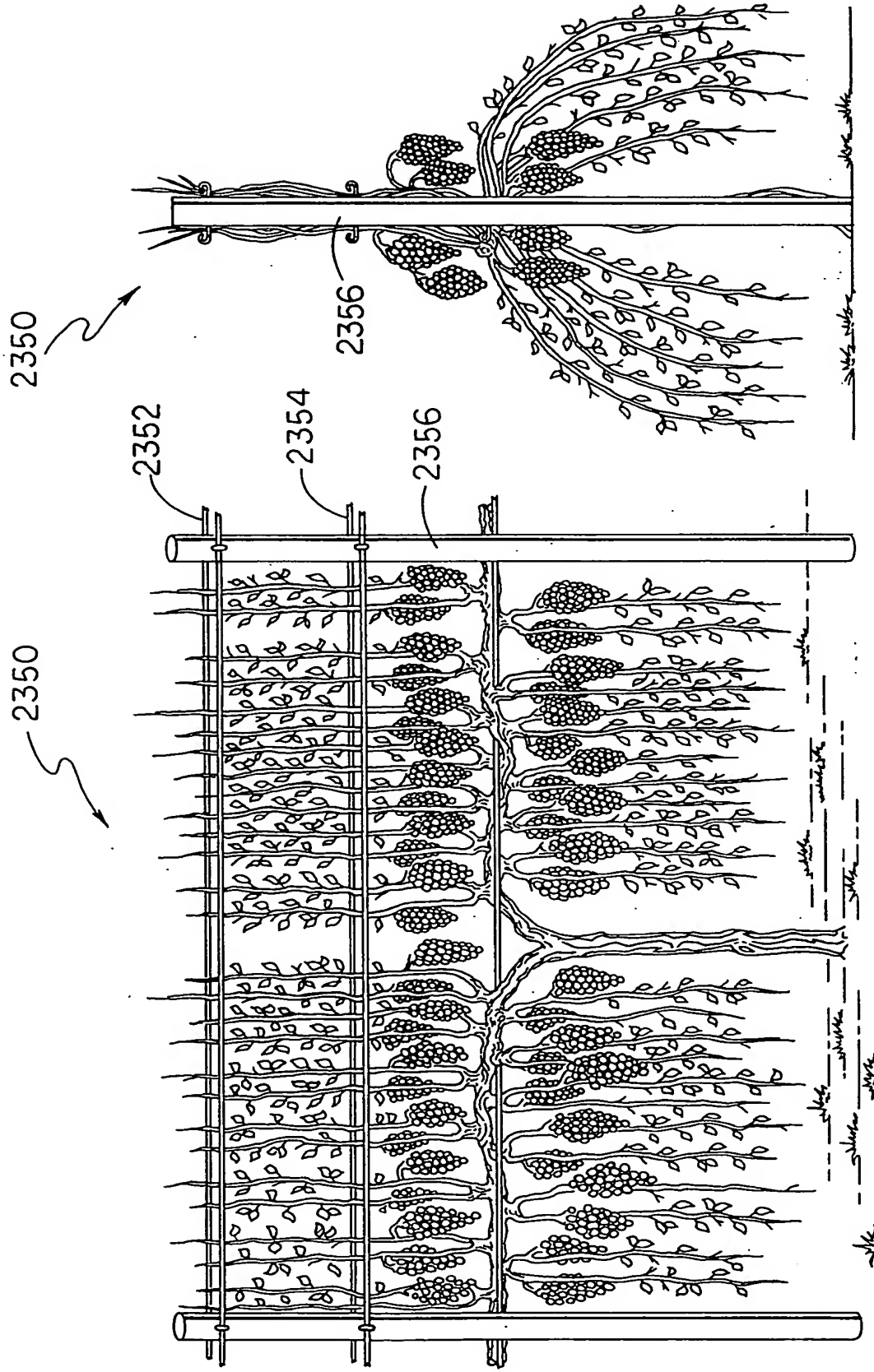


FIG. 68

FIG. 67

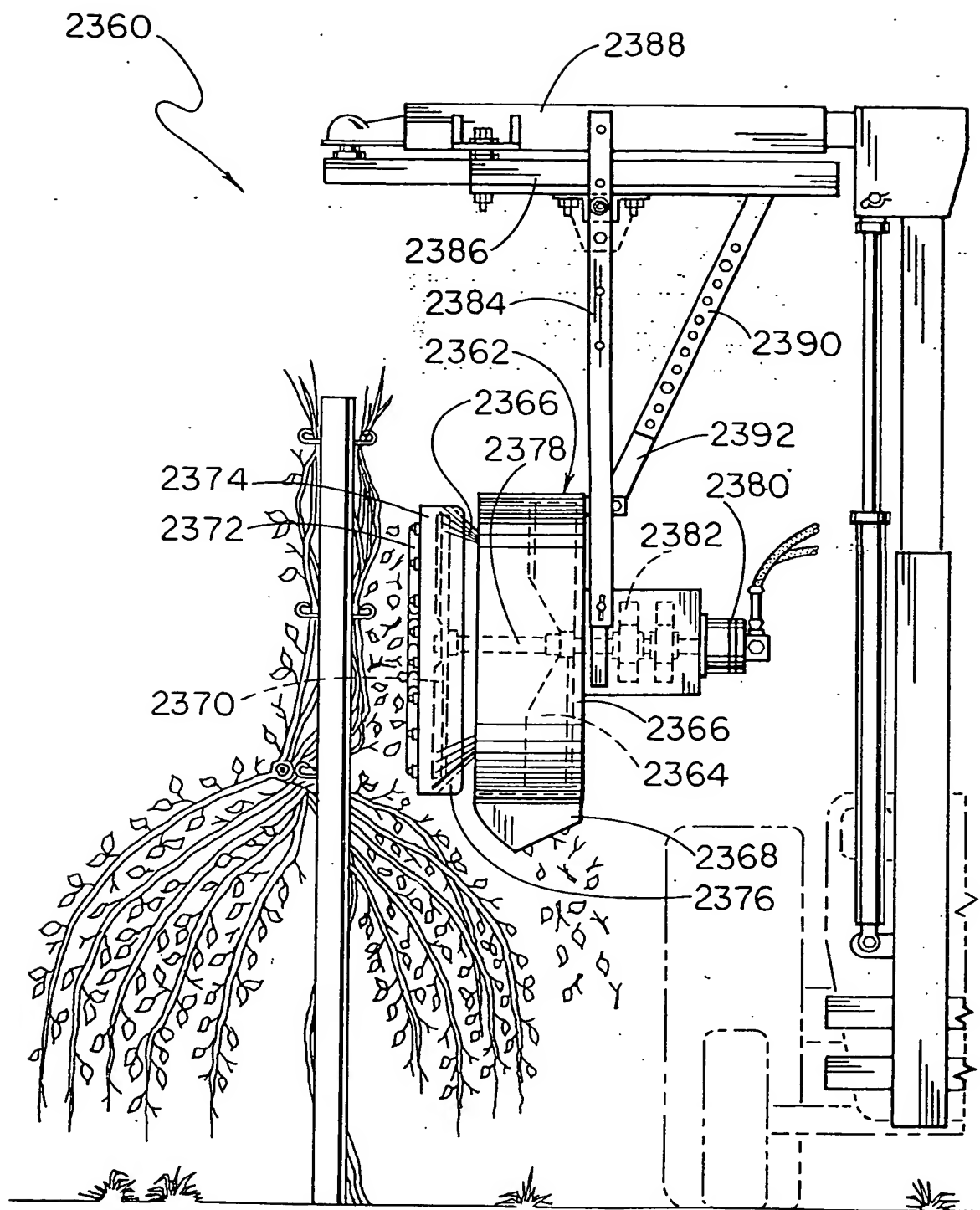


FIG. 69

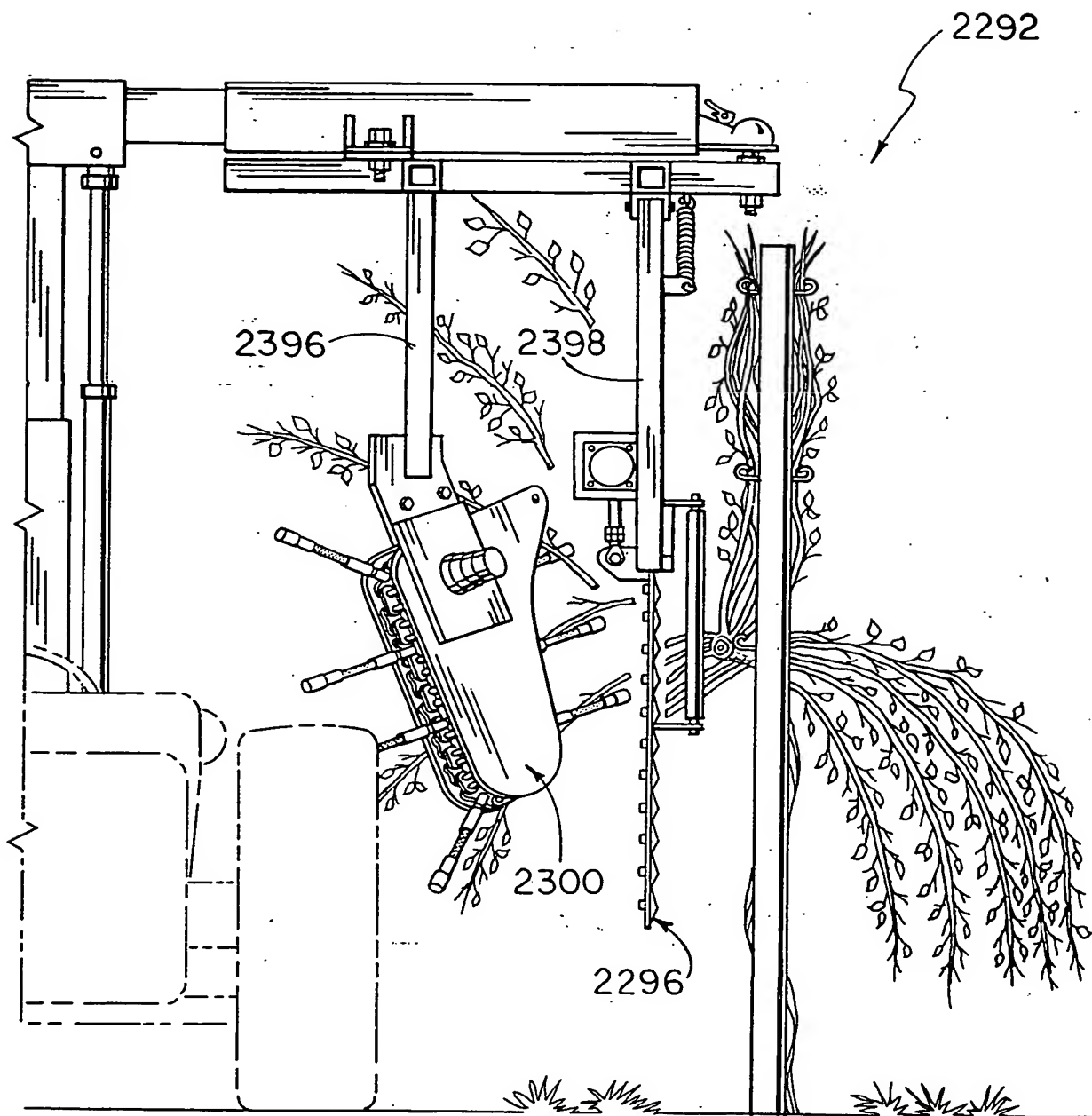


FIG. 70

2025 RELEASE UNDER E.O. 14176

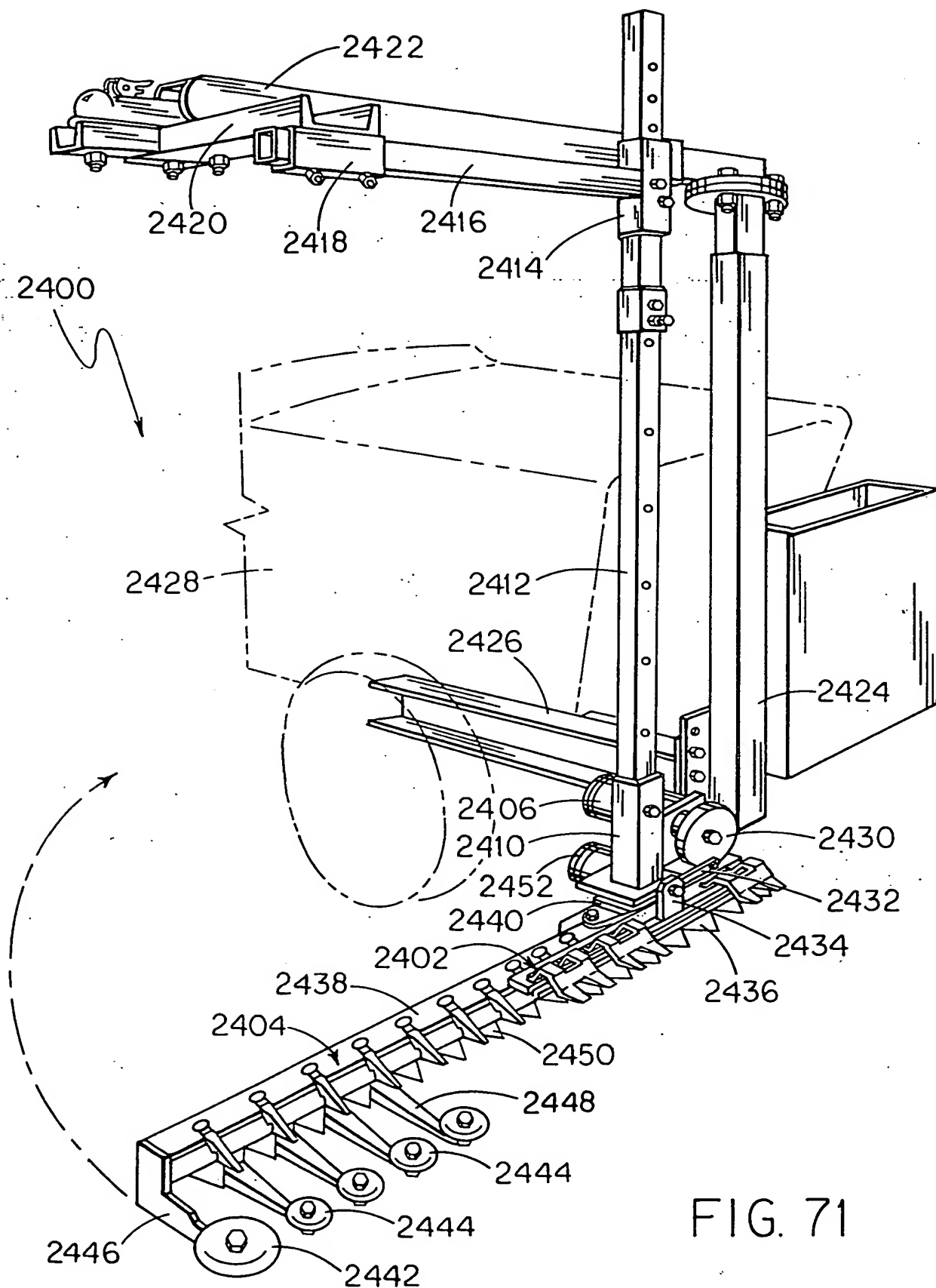


FIG. 71

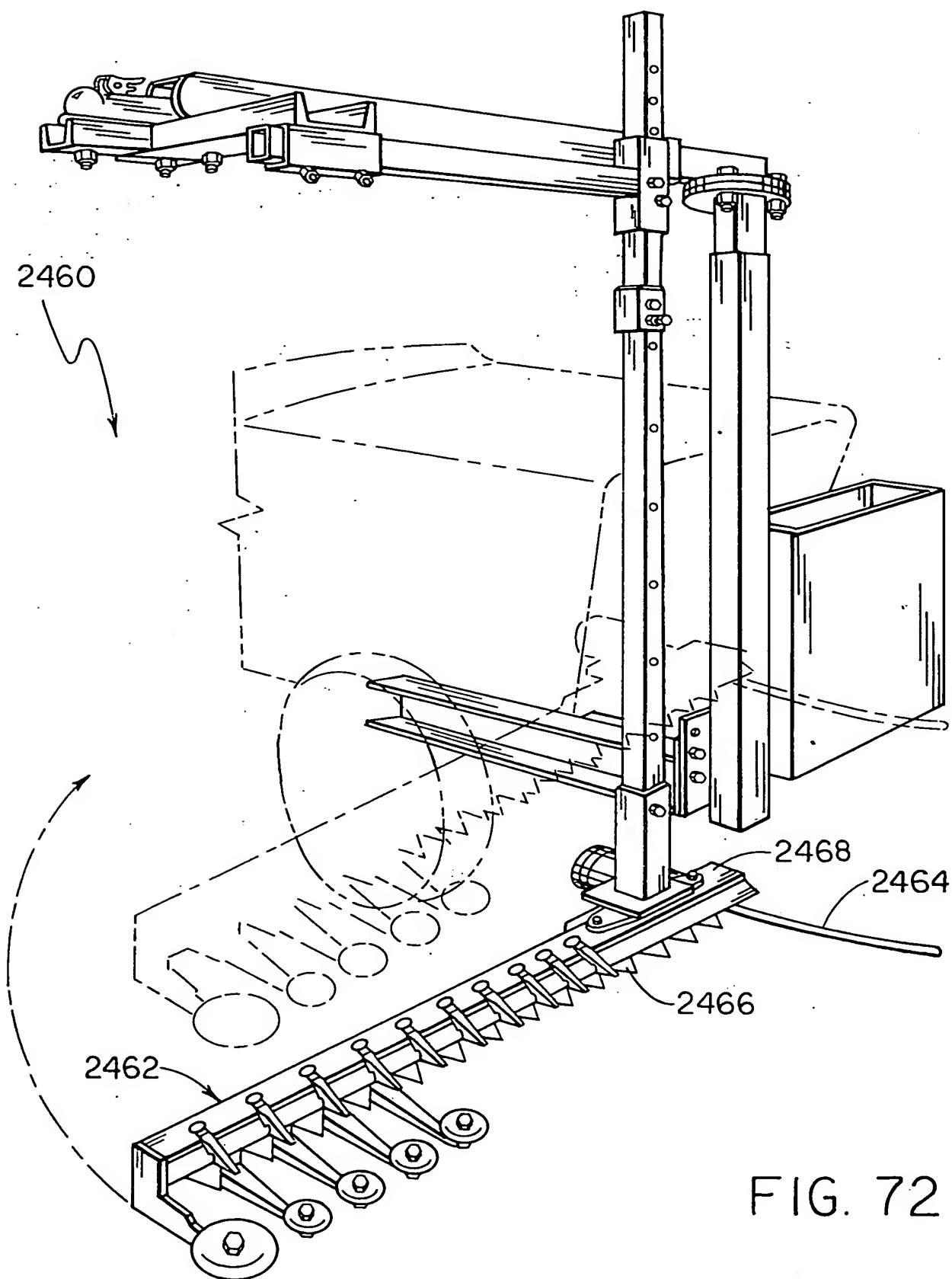
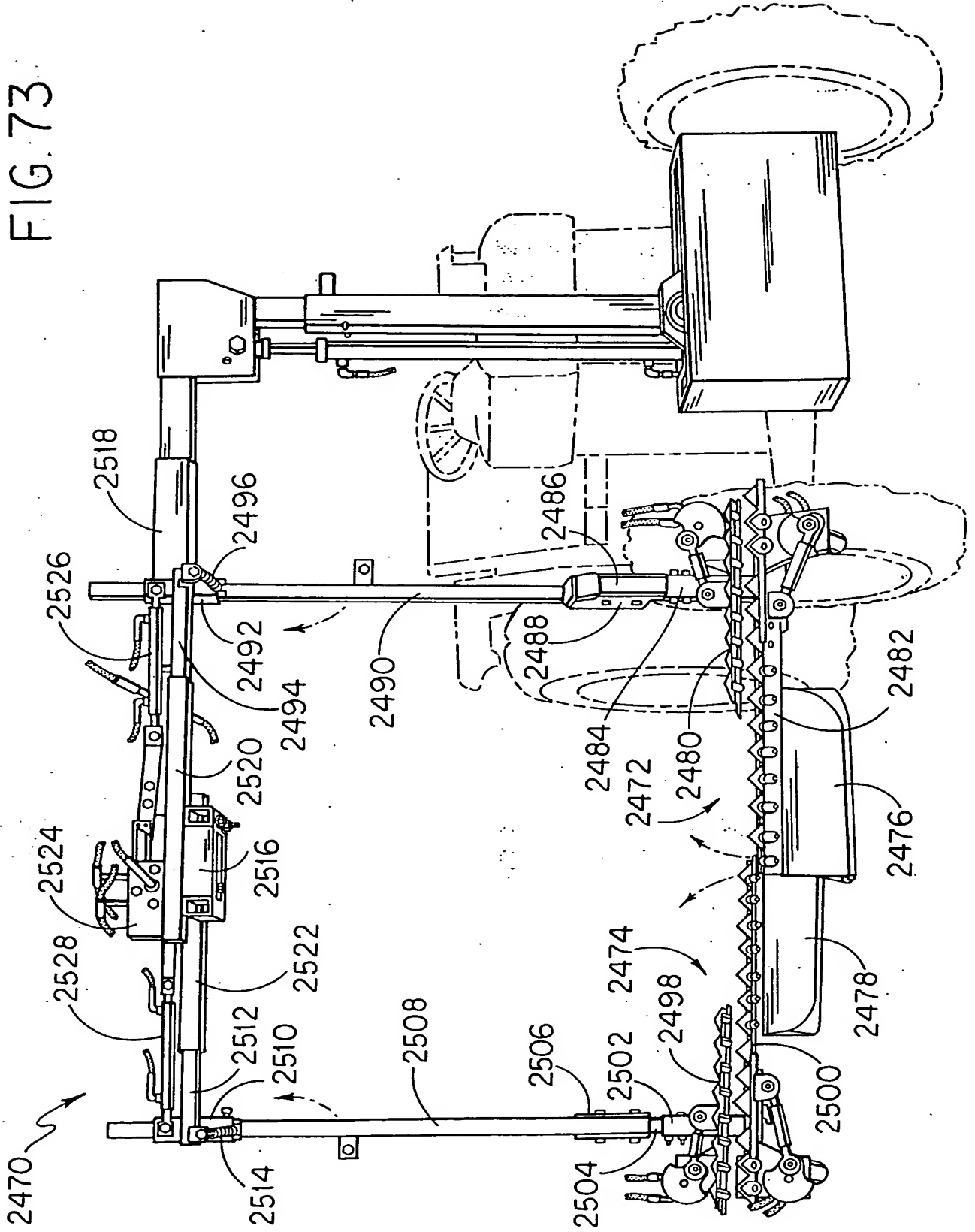


FIG. 72



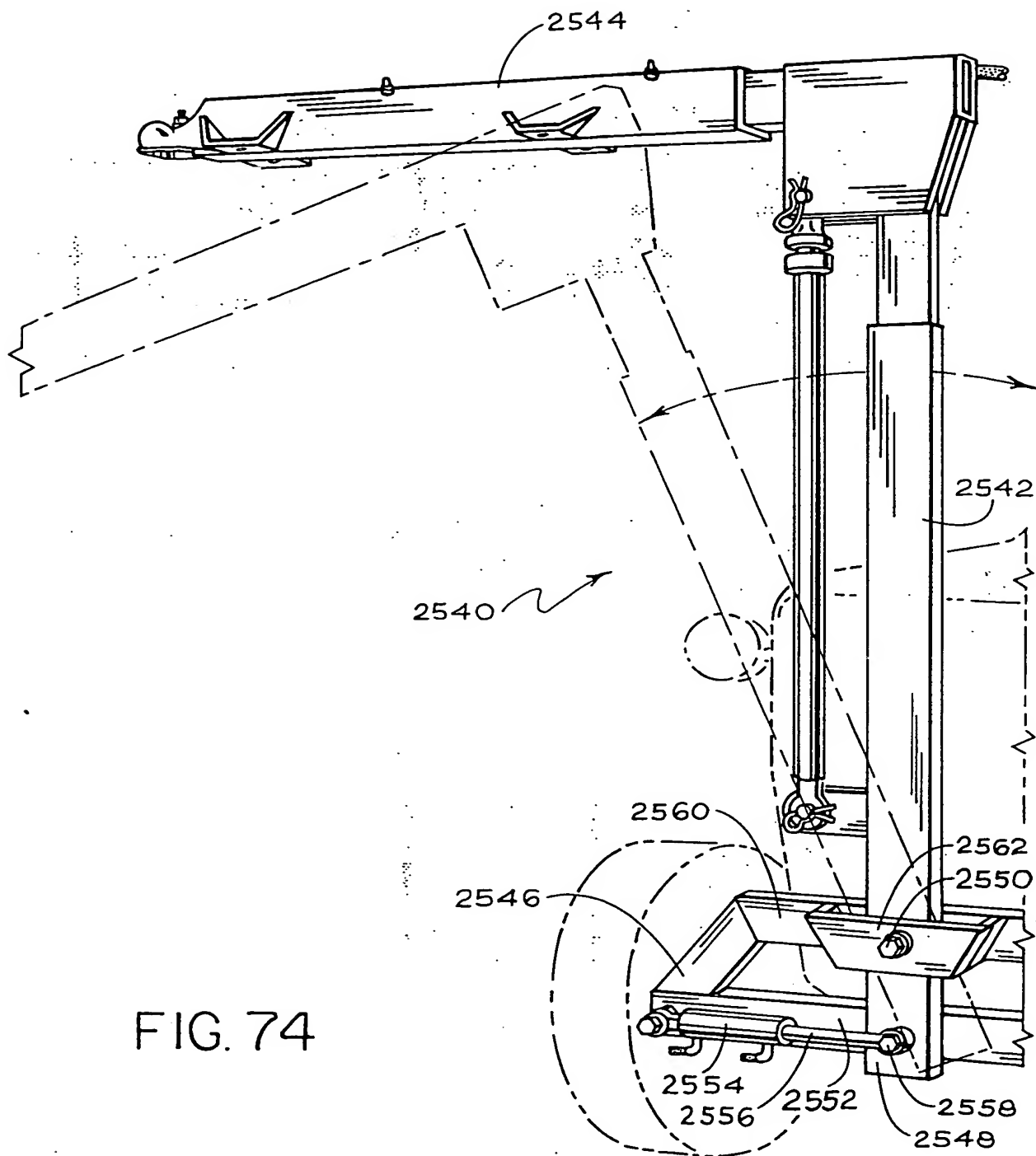


FIG. 74

A	CORDON WIRE SUPPORT
B	CORDON WIRE
C	CORDON
D	FRUITING CANE
E	RENEWAL SPURS

POSTS ARE SPACED AT 24'

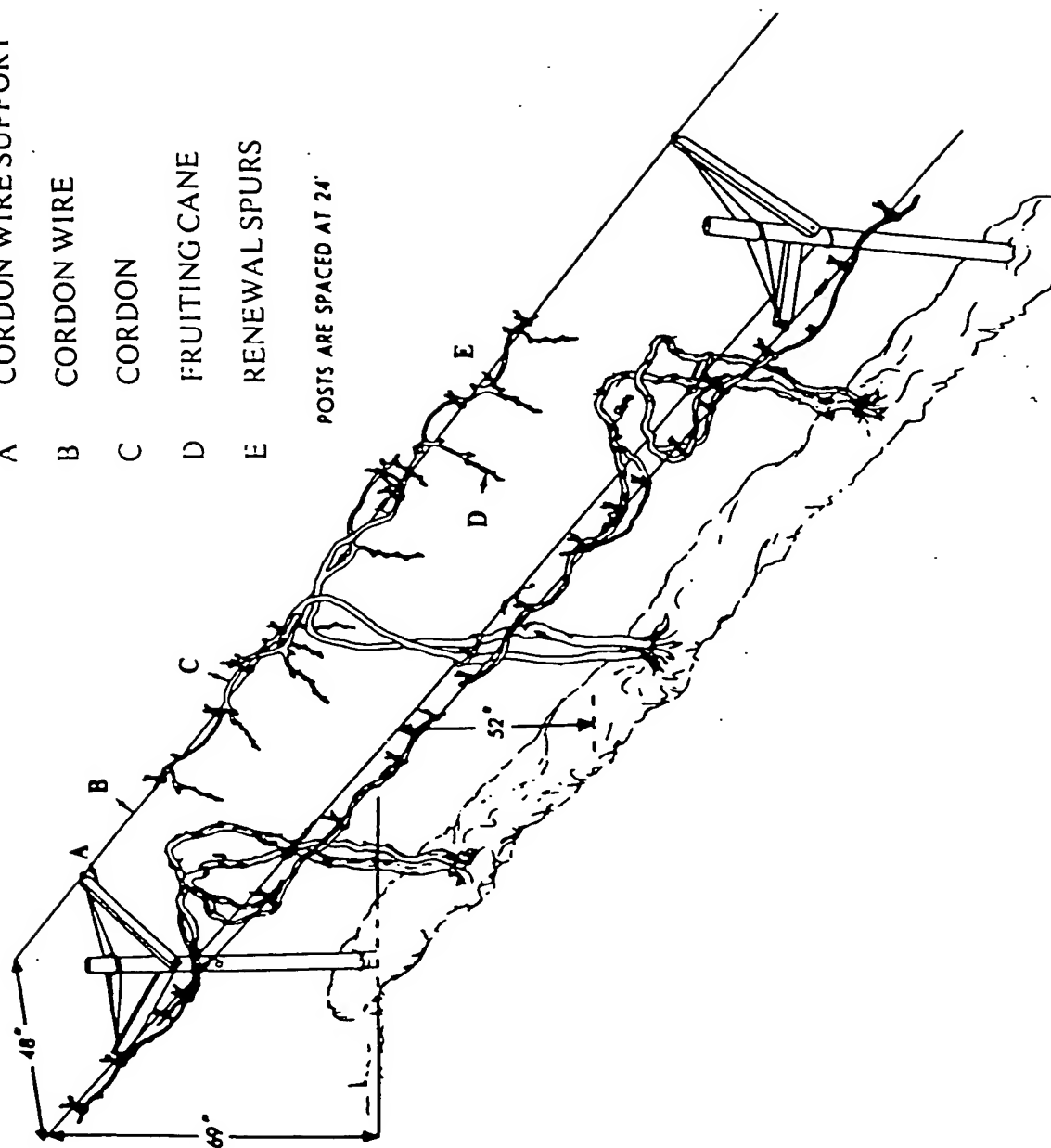


FIG. 75

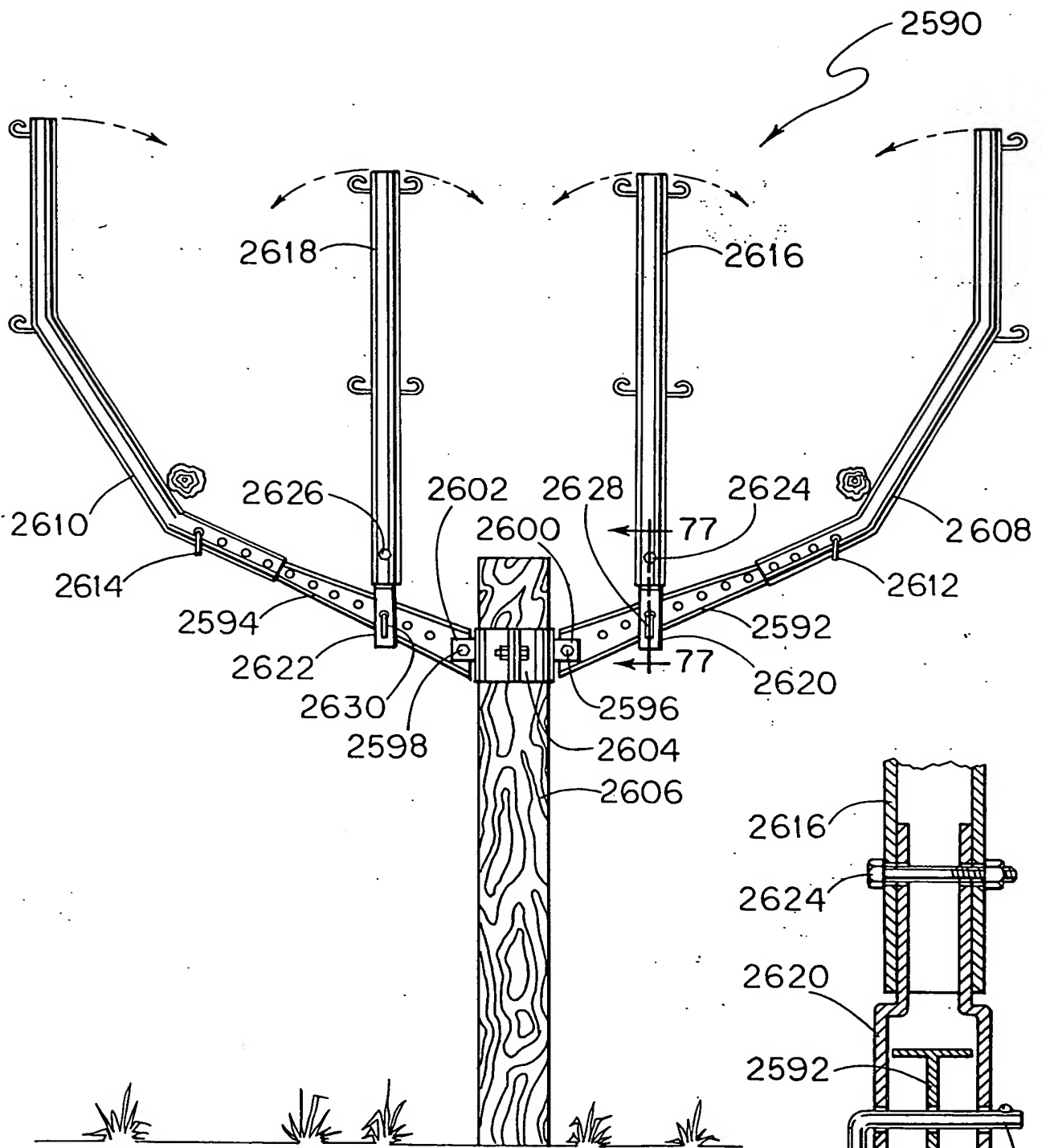


FIG. 76

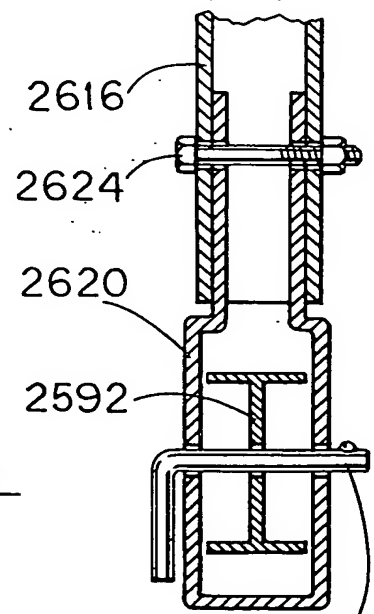


FIG. 77

20250414

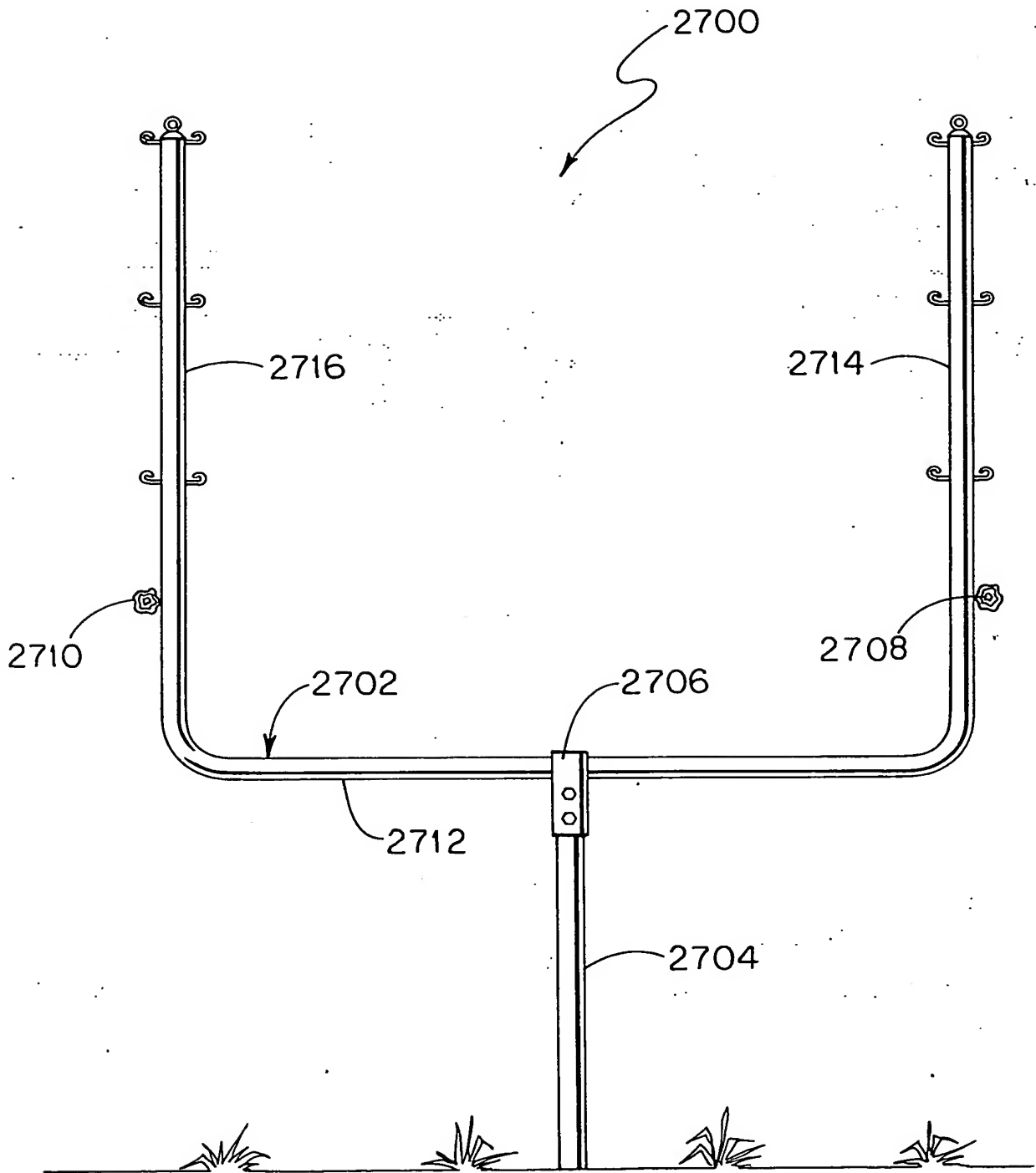


FIG. 80

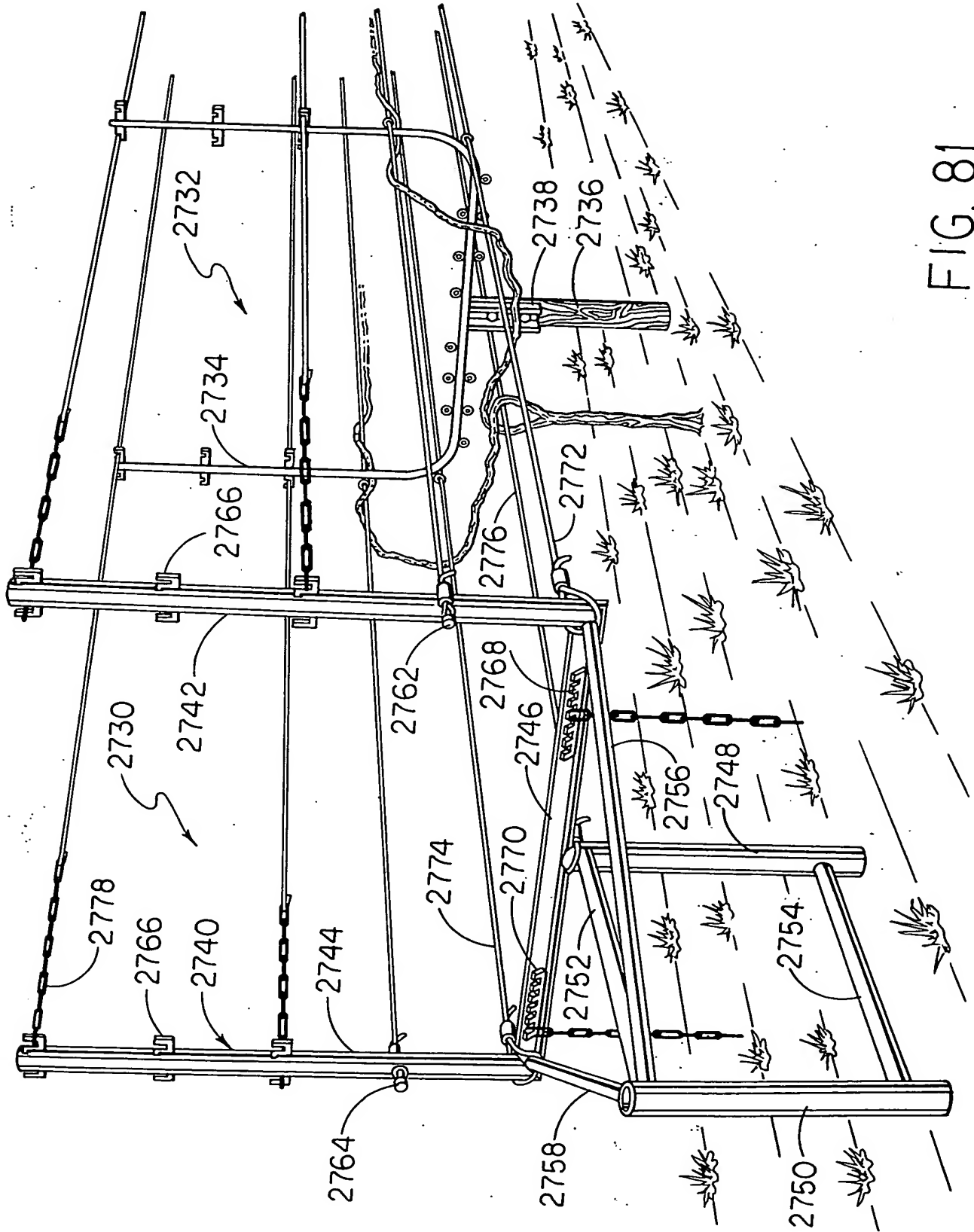
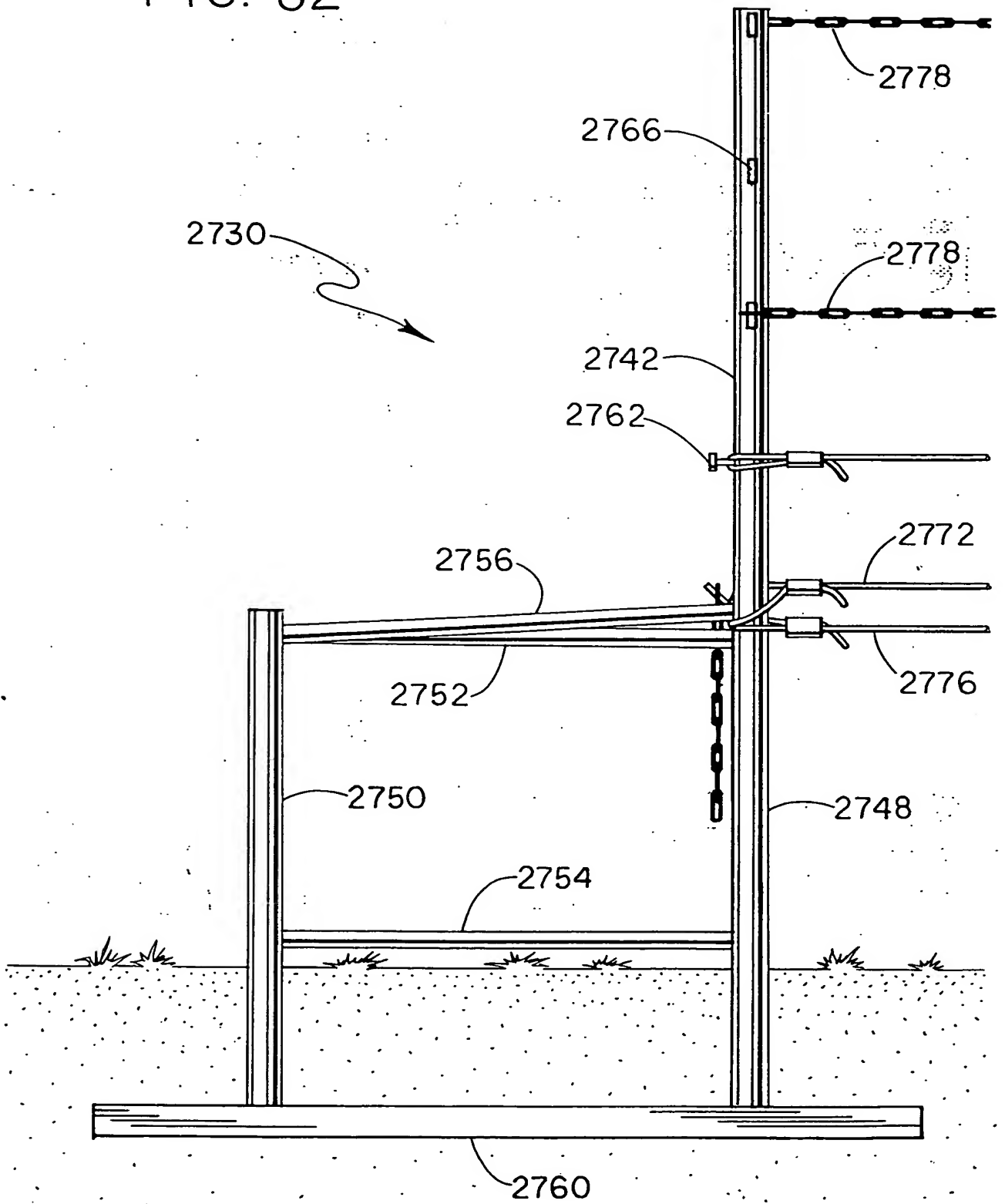


FIG. 81

FIG. 82



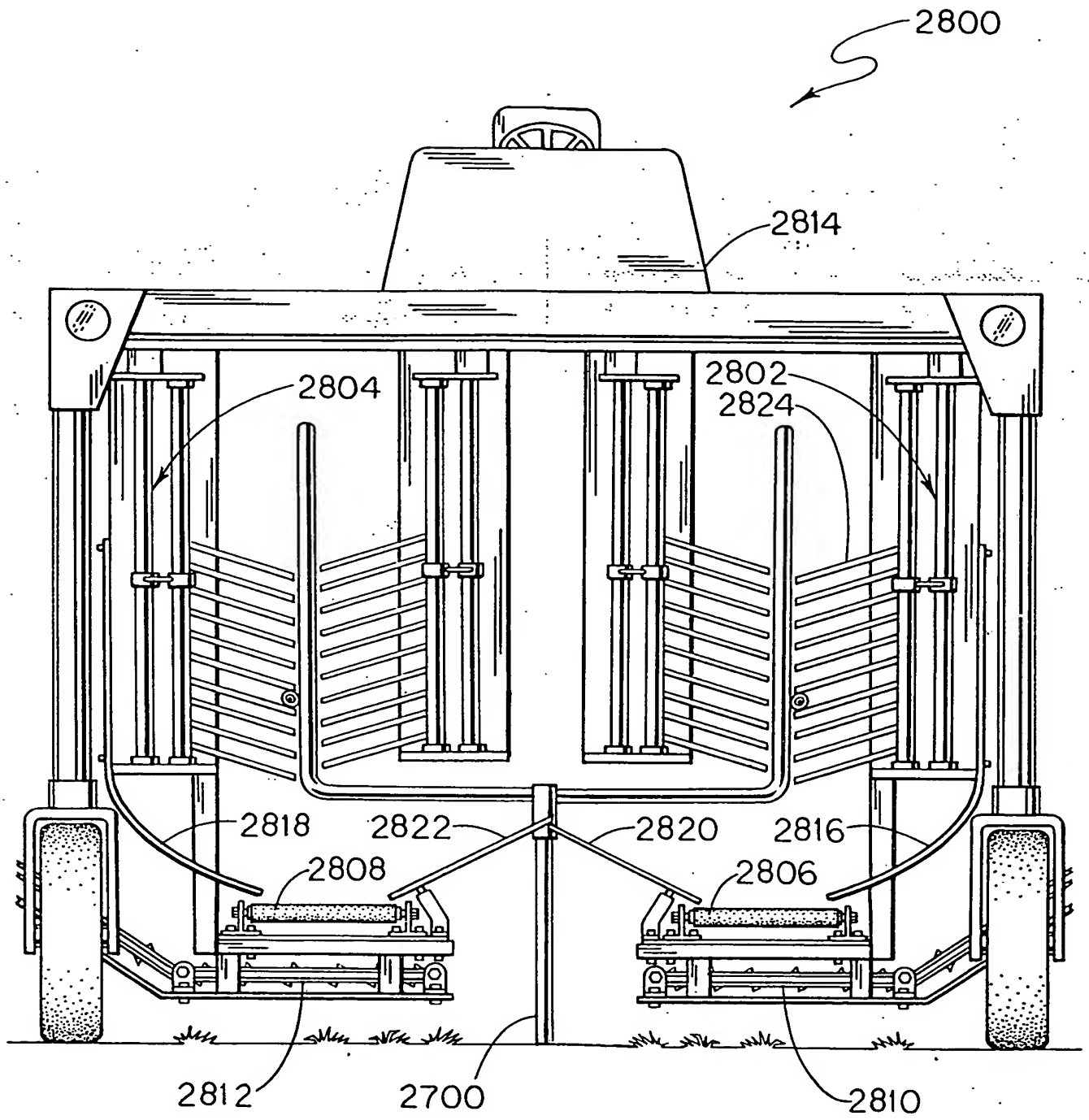


FIG. 83

FIG. 84

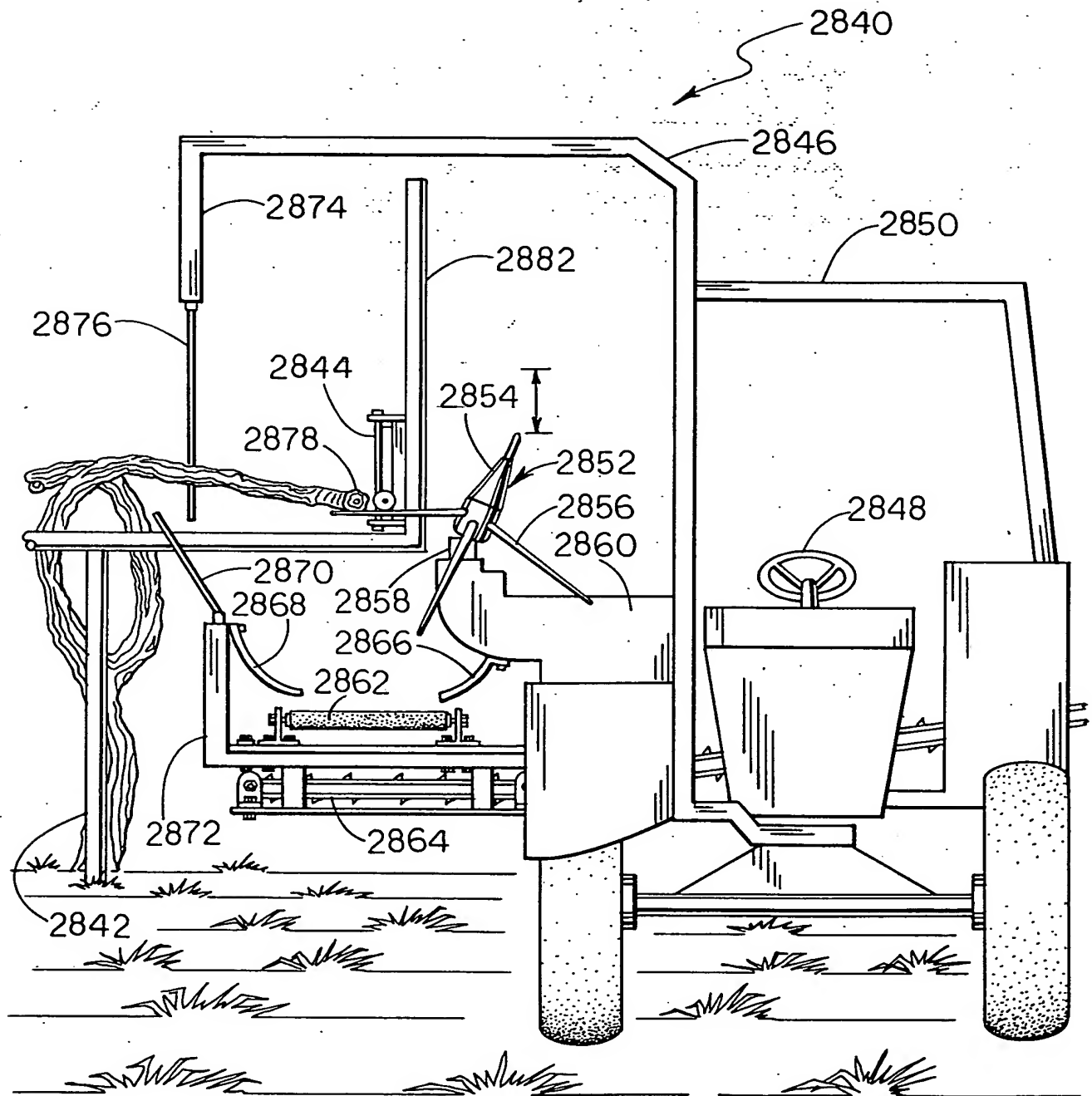


FIG. 84A

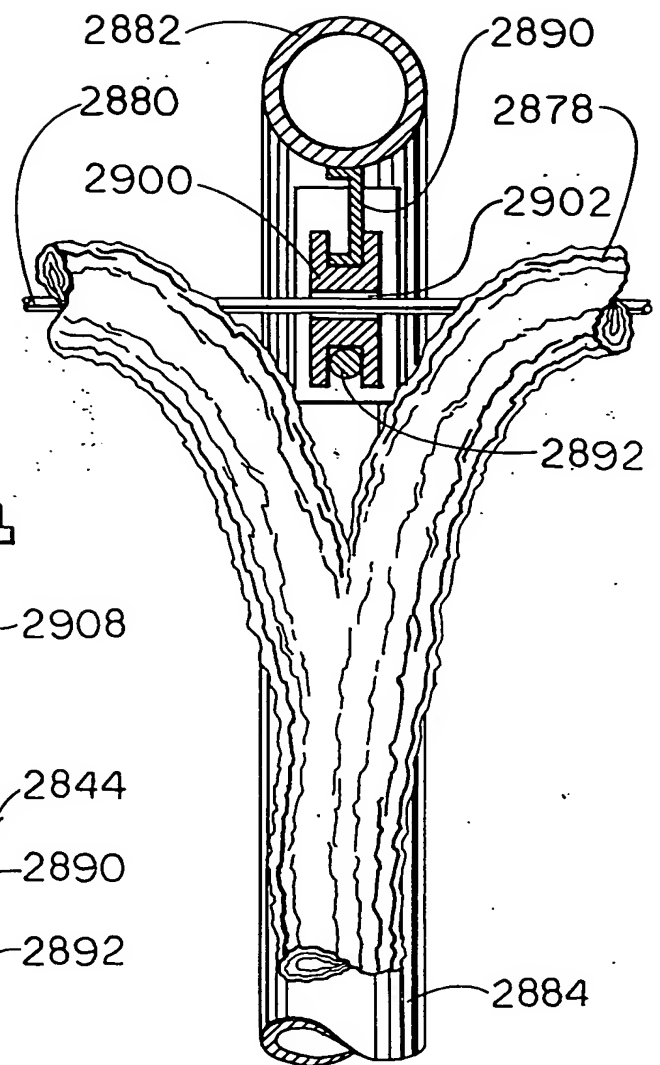
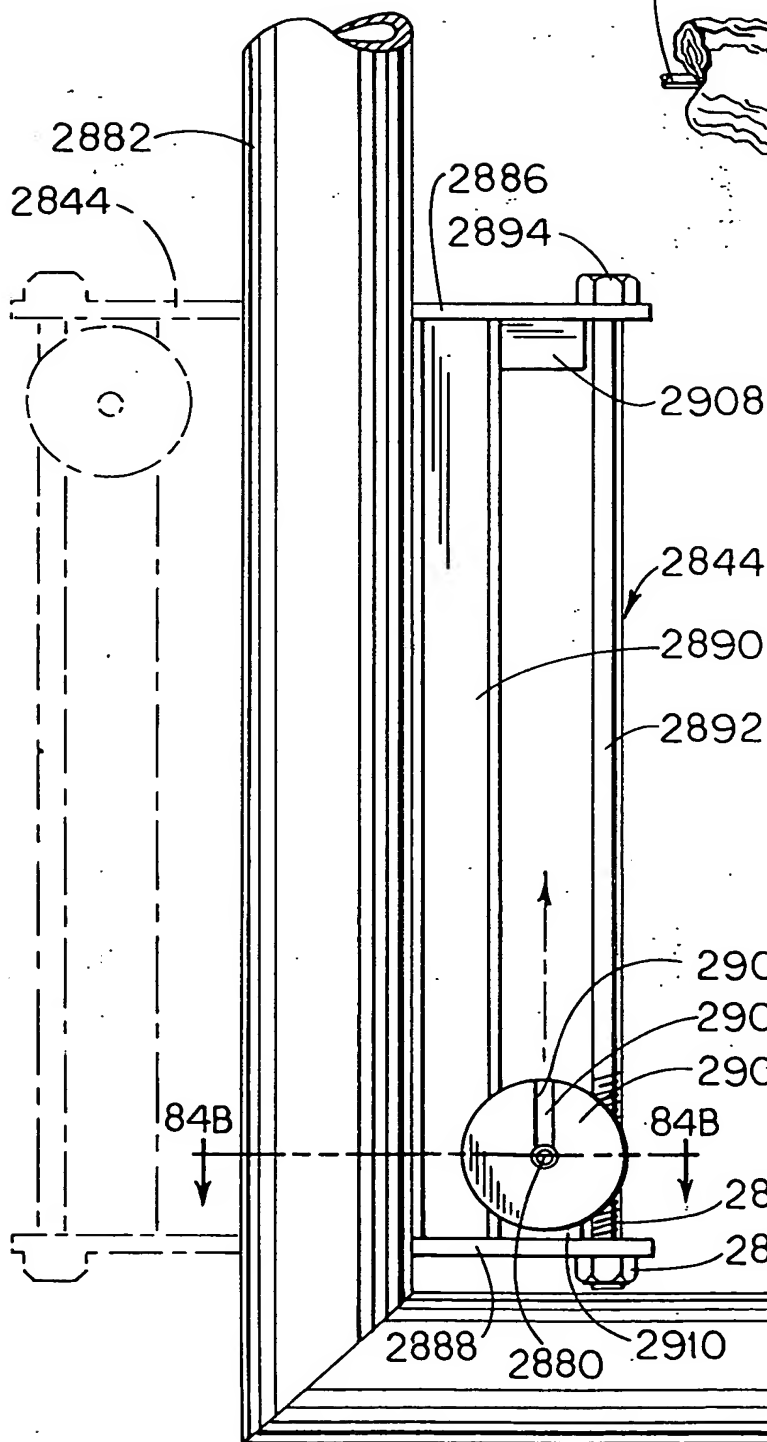


FIG. 84B

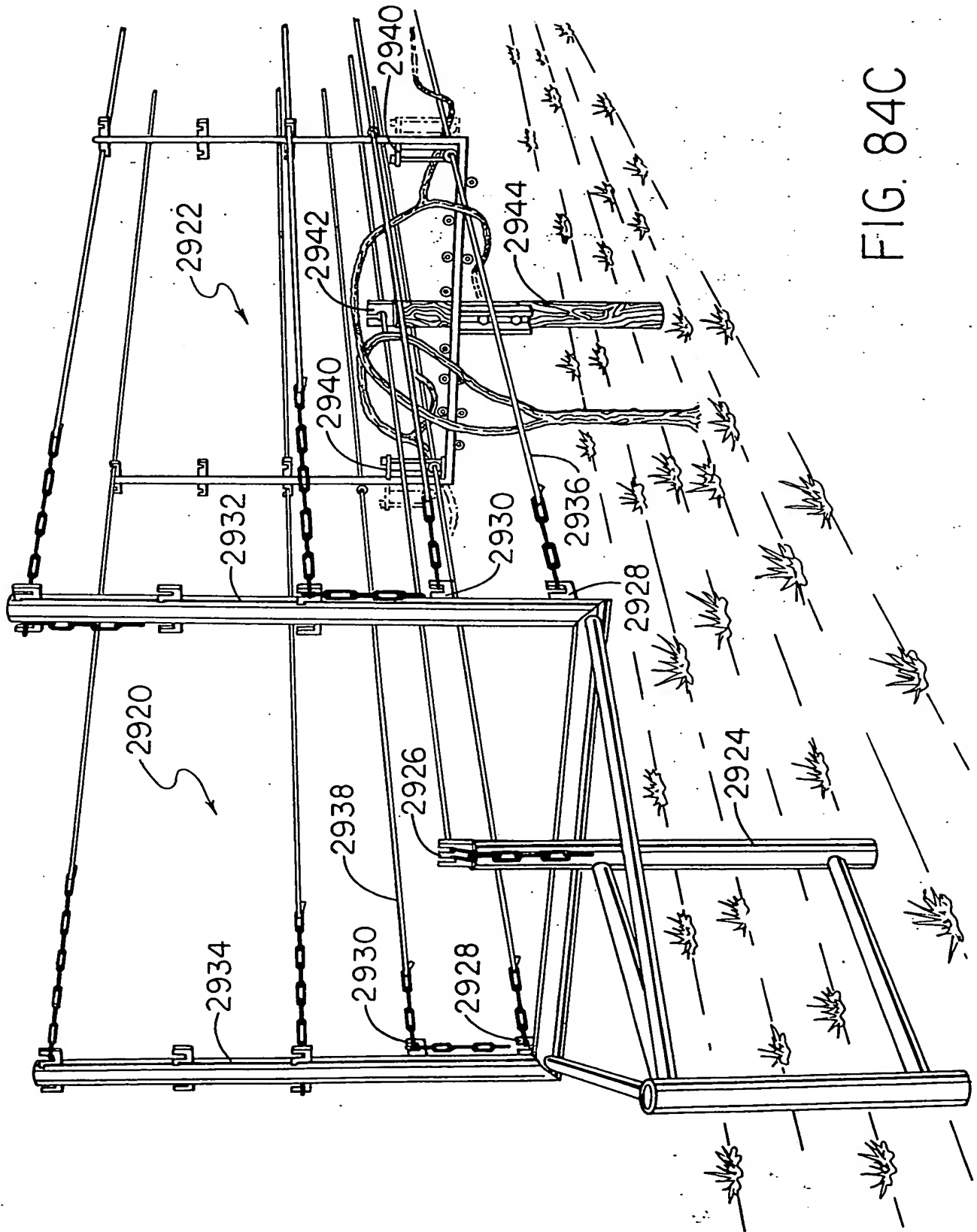


FIG. 84C

FIG. 29 is a schematic diagram of a mechanical assembly, likely a pump or valve, showing various components labeled with reference numerals 2950 through 2994. The assembly includes a vertical shaft (2984) with a handle (2990) and a gear (2992). A horizontal pipe (2954) is connected to the shaft. A complex valve mechanism (2950) is shown with multiple flaps (2960, 2962, 2964, 2966, 2968) and actuators (2972, 2974, 2976, 2978, 2982). A vertical pipe (2986) is also shown, connected to the main assembly. The entire device is mounted on a base (2988).

FIG. 84D

FIG. 85

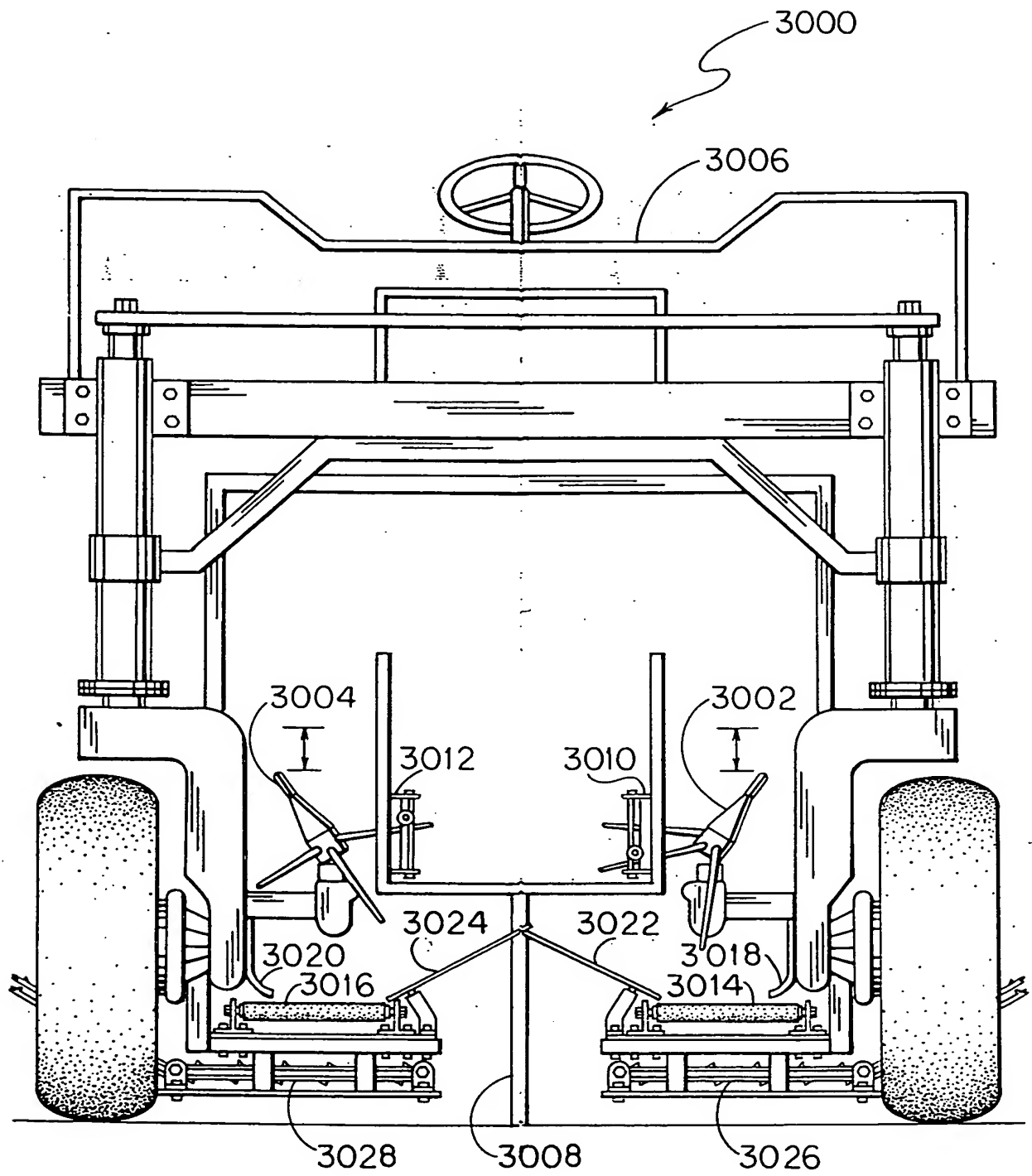


FIG. 85

I. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS LABRUSCANA (and other grapes with drooping growth habits) ON SINGLE CURTAIN TRELLIS

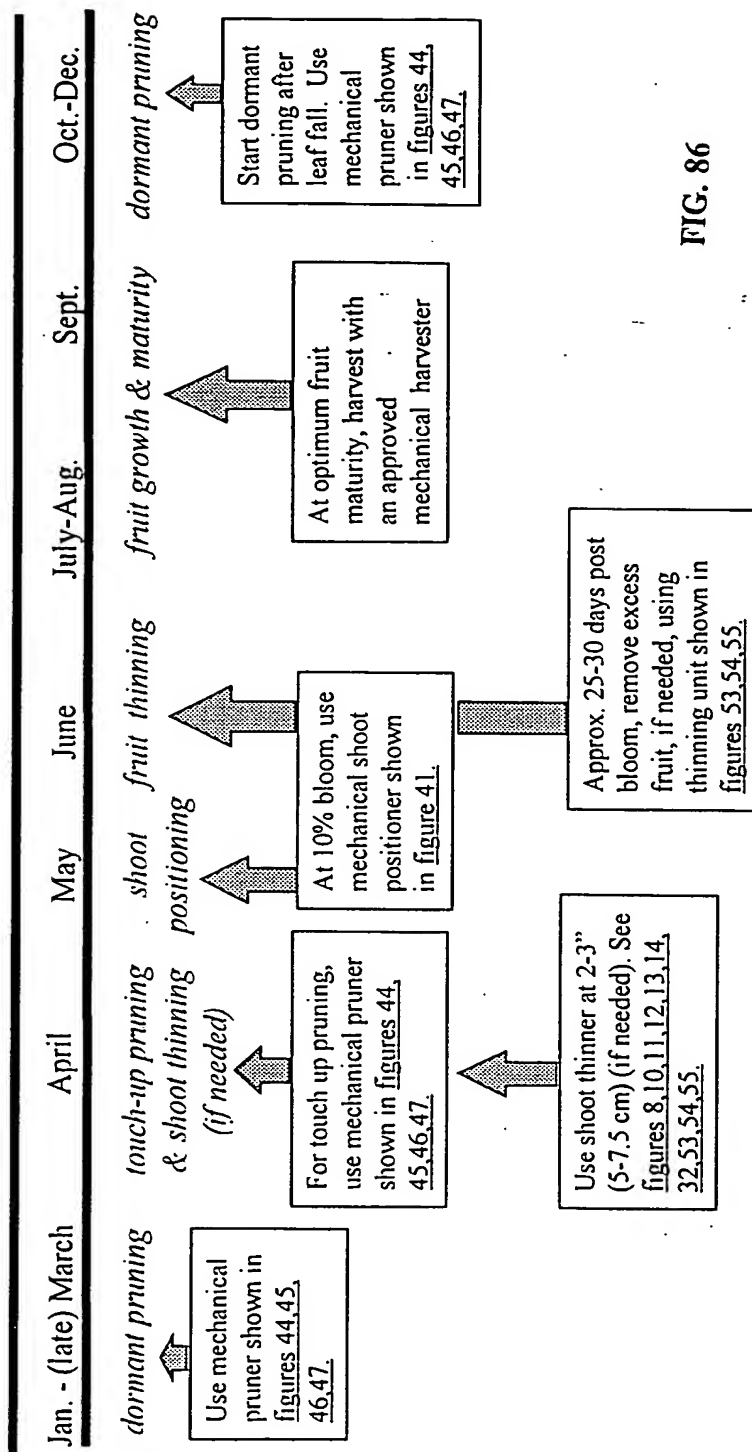


FIG. 86

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

II. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS LABRUSCANA (and other grapes with drooping growth habits) ON GDC TRELLIS AND GDC-LIKE CANOPY SYSTEMS

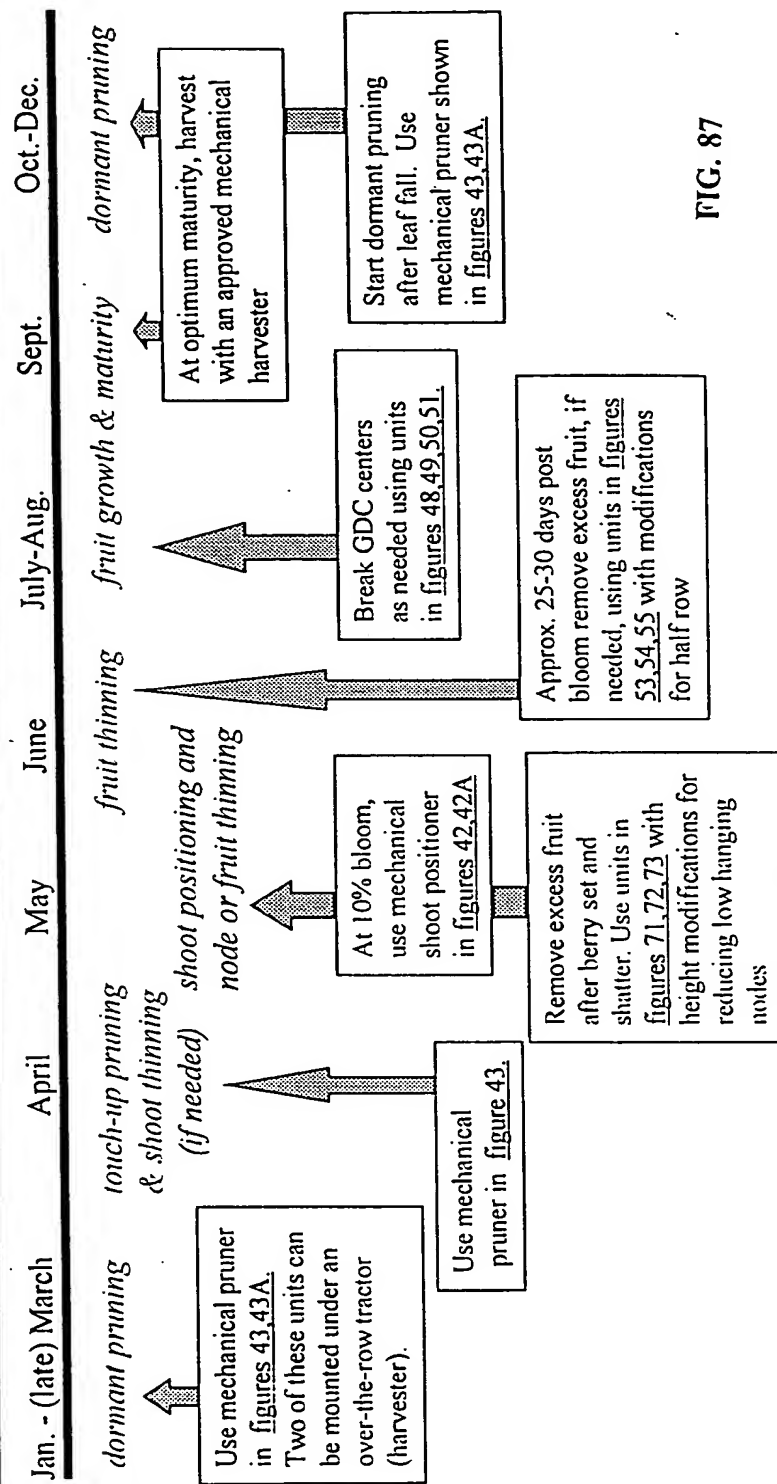


FIG. 87

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

III. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES ON MINIMAL PRUNED *VITIS LABRUSCANA* (and other grapes with drooping growth habits) ON SINGLE CURTAIN TRELLIS SYSTEMS

Jan. - (late) March April May June July-Aug. Sept. Oct.-Dec.

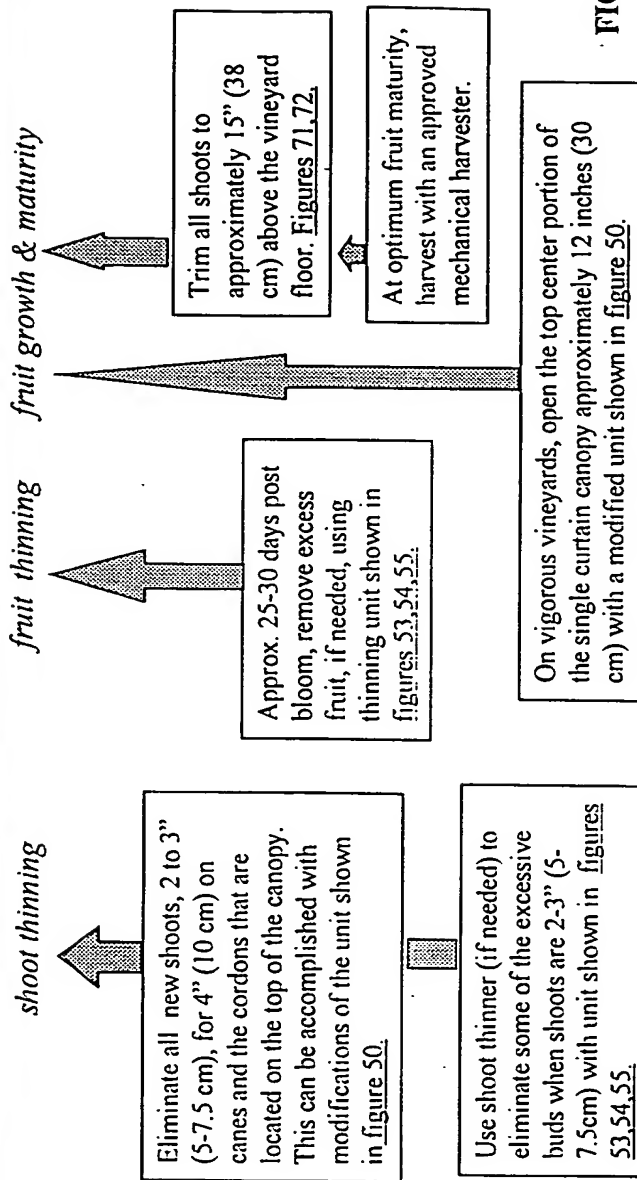


FIG. 88

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

IV. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES ON MINIMAL PRUNED VITIS LABRUSCANA (and other grapes with drooping growth habits) ON GDC TRELLIS SYSTEMS

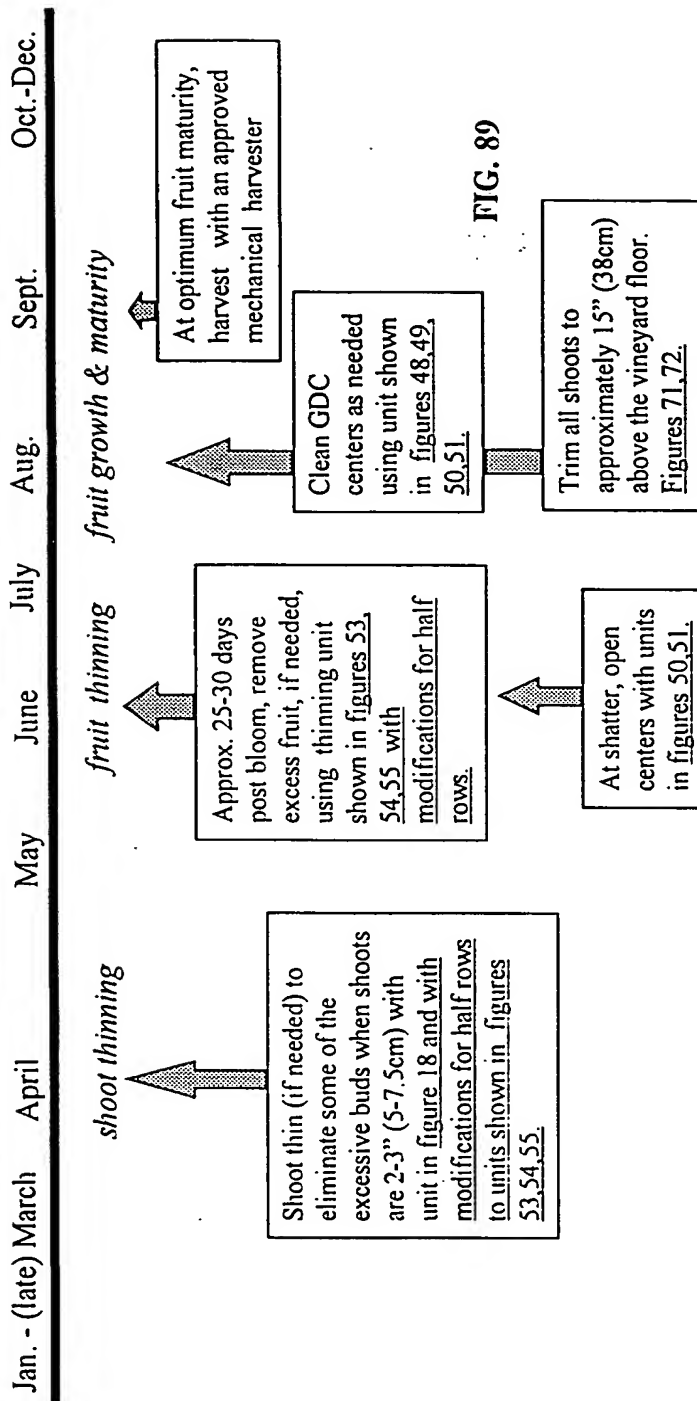


FIG. 89

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

V. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON HIGH WIRE SINGLE CURTAIN TRELLISES

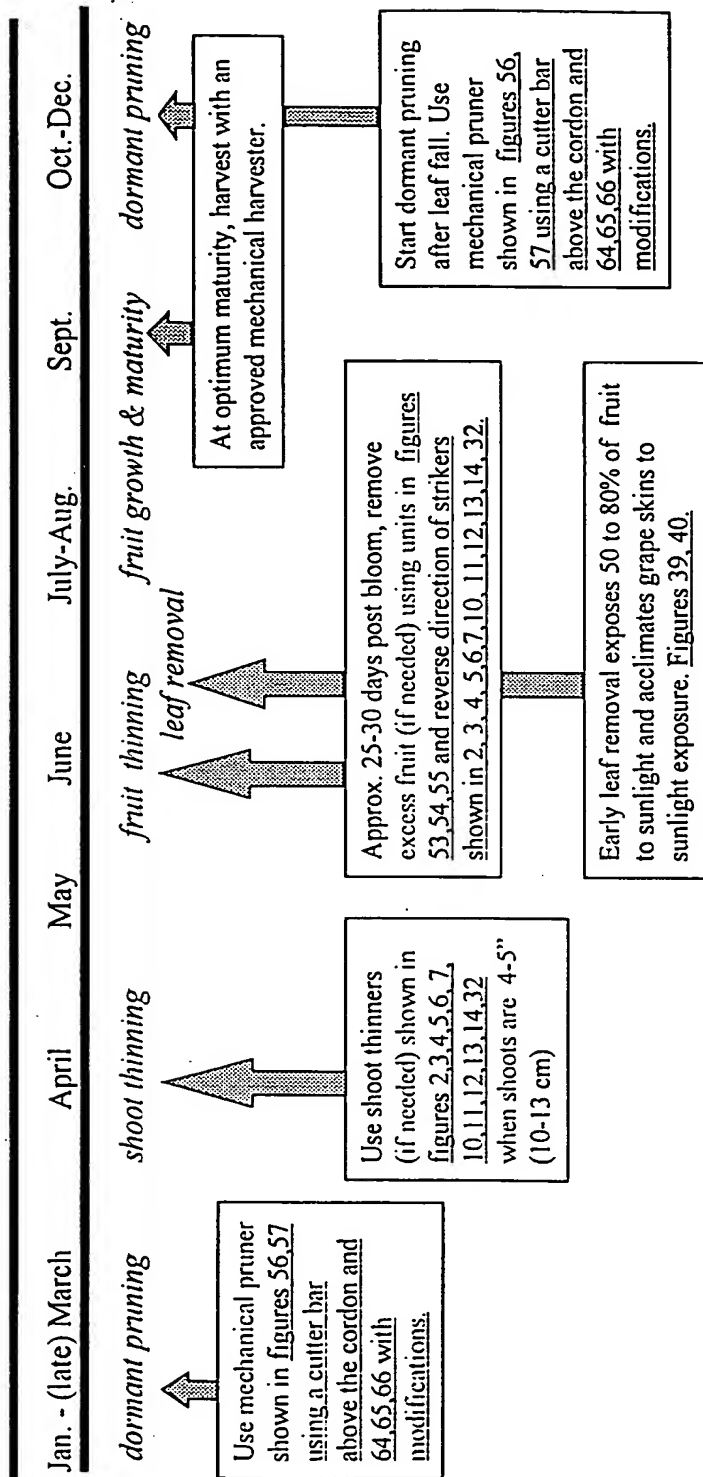


FIG. 90

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

VI. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON GDC AND OTHER DIVIDED CANOPY TRELLISES

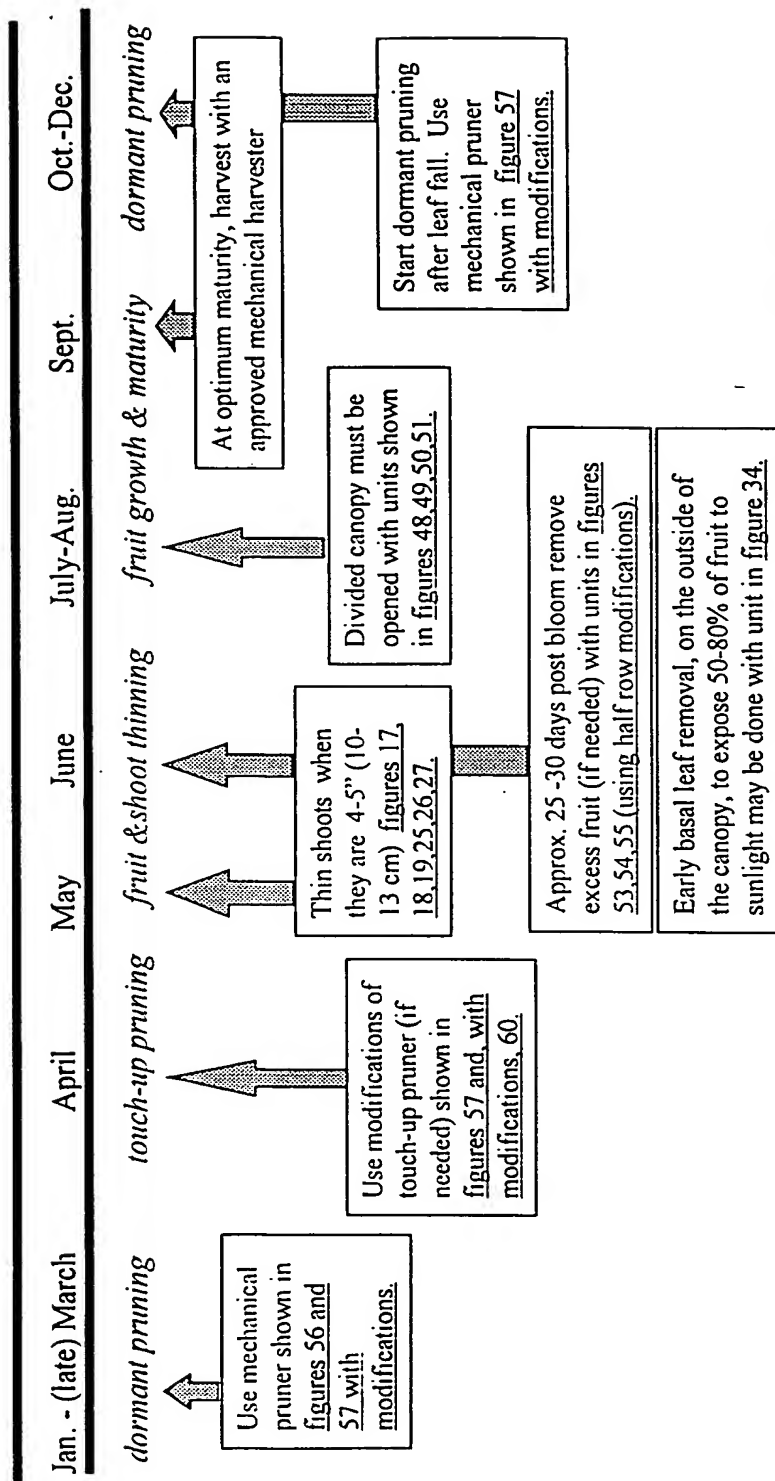


FIG. 91

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

VII. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES IN MINIMAL PRUNED VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS TRAINED TO A HIGH WIRE SINGLE CURTAIN TRELLISING SYSTEM.

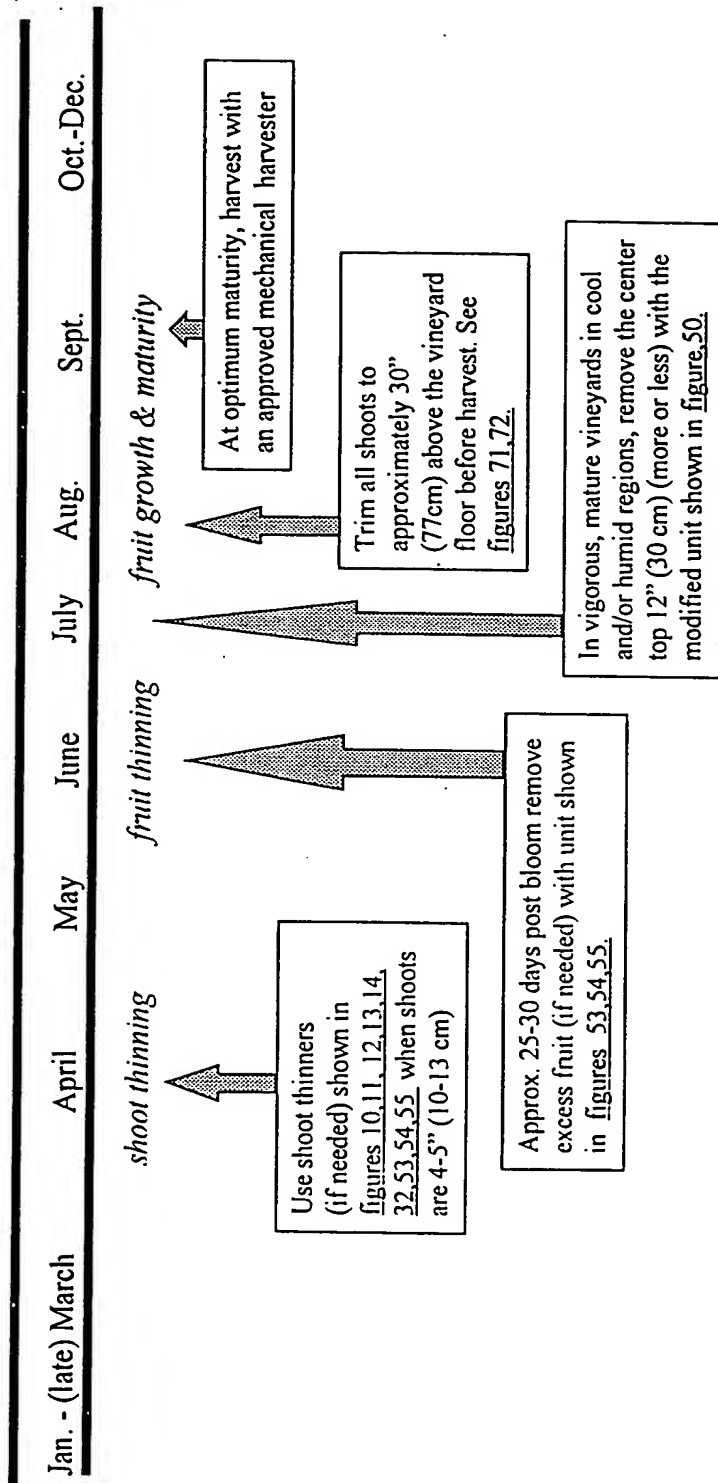


FIG. 92

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

VIII. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES ON MINIMAL PRUNED VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS ON GDC TRELLIS SYSTEMS

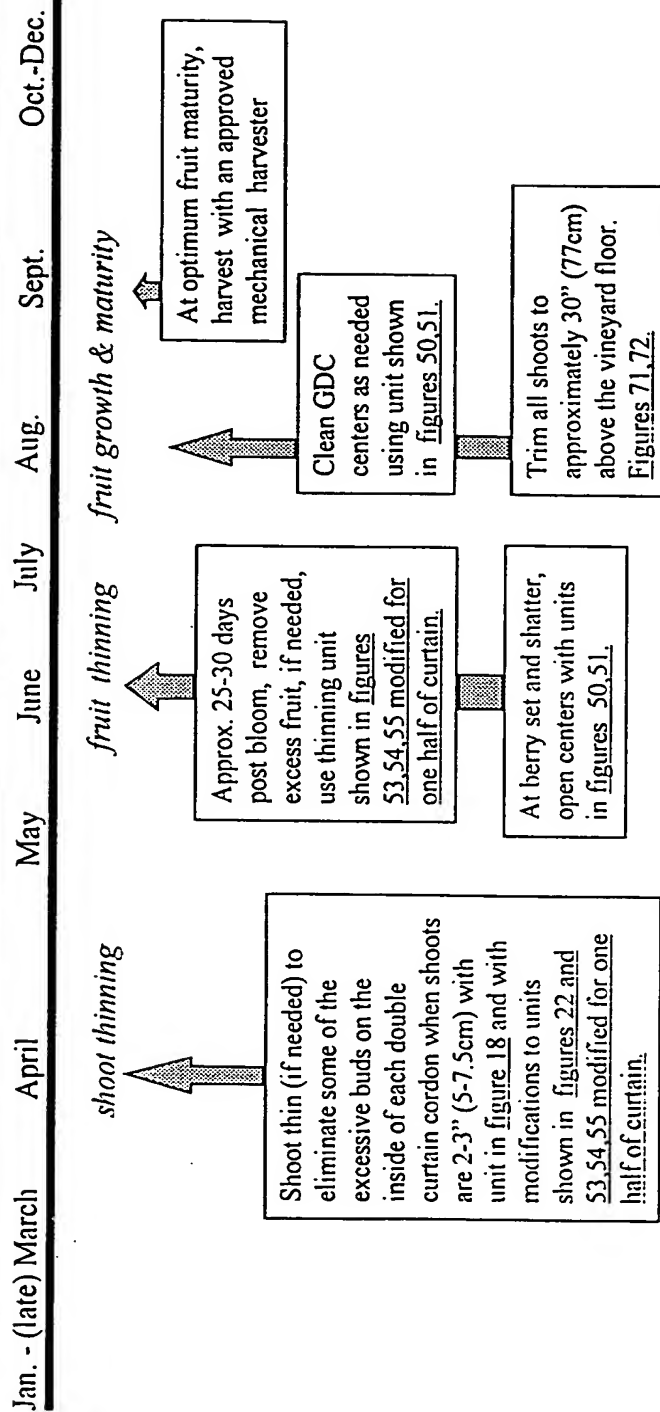


FIG. 93

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

**IX. SEASONAL CHART FOR VINEYARD MECHANIZATION
ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN
HYBRIDS PRODUCED ON STANDARD CALIFORNIA T-TRELLIS**

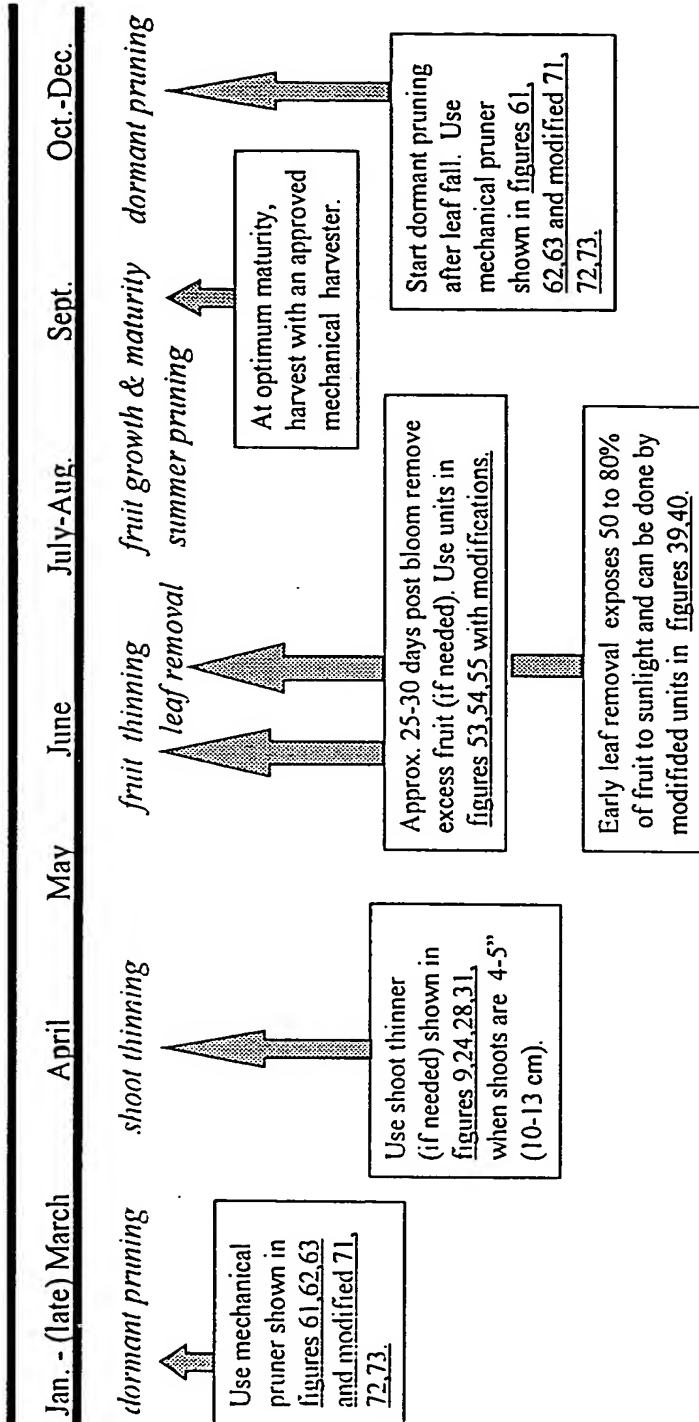


FIG. 94

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

N. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES
OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS
PRODUCED ON STANDARD VERTICAL MOVEABLE CATCH WIRES

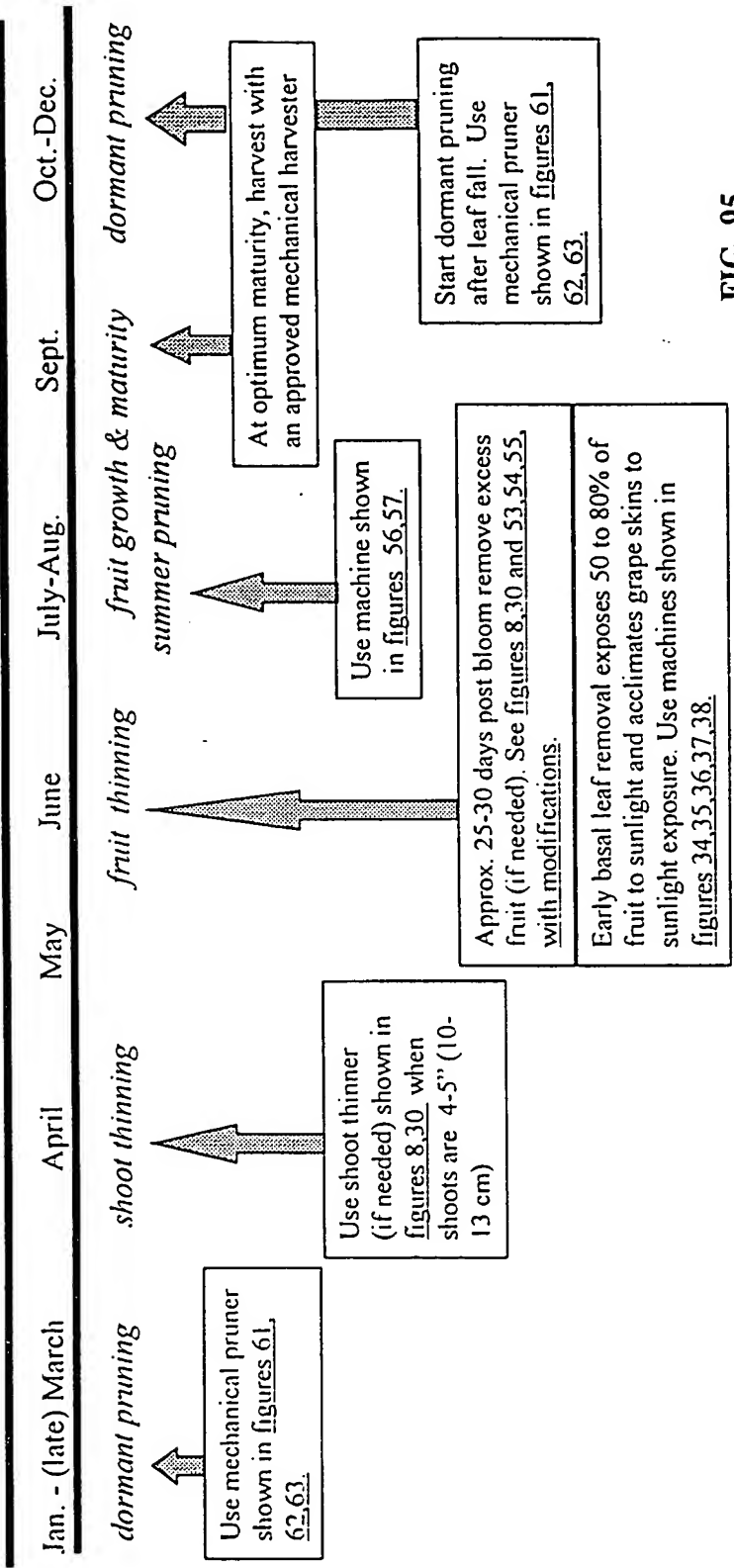


FIG. 95

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

XI. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON LYRE OR "U" AND OTHER DIVIDED CANOPY TRELLISES

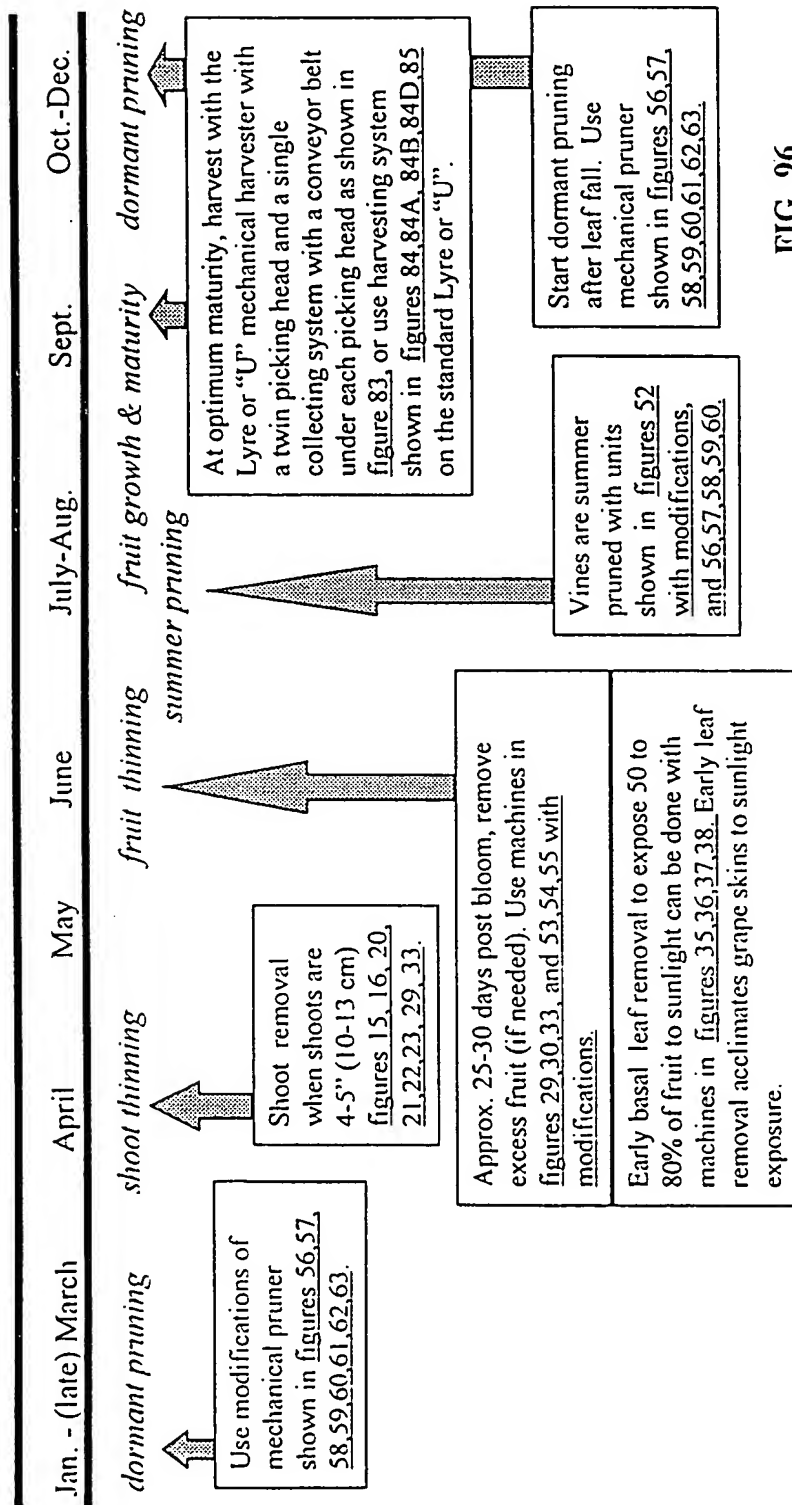


FIG. 96

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

XII. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS ON SMART-DYSON BALLERINA (and similar) TRELLISING SYSTEMS.

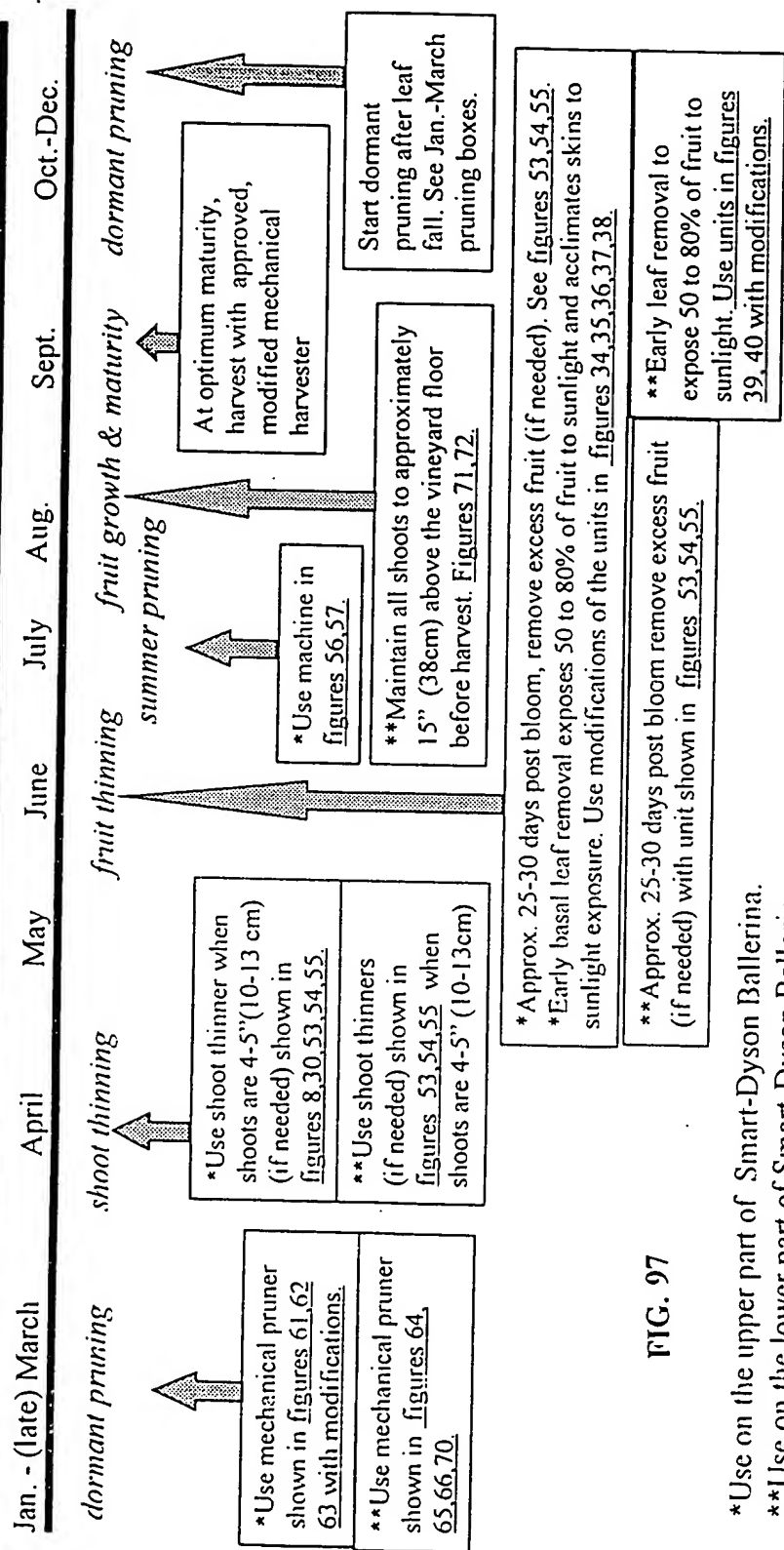


FIG. 97

*Use on the upper part of Smart-Dyson Ballerina.

**Use on the lower part of Smart-Dyson Ballerina.

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.